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RAILWAY COMMERCIAL

FORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES.

No. 1167-Vol. XXVIII.]

LONDON, SATURDAY, JANUARY 2, 1858.

STAMPED ... SIXPENCE. UNSTAMPED . FIVEPENCE.

R. JAMES CROFTS, MINING AND SHAREBROKER,
No. 1, FINGH LANE, LONDON (established 14 years), TRANSAGTS every
had of BUSINESS in MINING SHARES, but, not being a dealers, BUYS and SELLS
may on orders confided to him.

The important reduction in the value of money implies a termination to the late
risks, so far as it has been caused or continued by its late unprecedented dearness,
and must have an immediate beneficial effect upon all markets, but of the mining
narket (as a speculative one) in particular. Mr. Capors can now confidently anticlsate large profits to purchasers who come into the market without delay, and thus
vall of the present depressed rates, and sepecially in mines whose value he been
eated by the sovers and long-continued pressure,—namely, amongst many others,—
Whosk Edward.

Kitsy (Lelant).

Vale of Towy.

St. Day United.

Great Wheat Busy.

Calstock Consols.

Wheat Basset.

Mr. CROFTS is ready to furnish a list of CHEAP SHARES, or such as have receded
a value 50 to 75 per cent., and yet have vitality in them to pay profits hereafter.

"a" Special business in Viavuous Lady Mins, and Okal. Ton, Calstock, in 4096
hares, either in buying or selling.

MR. JAMES LANE, No. 29, THREADNEEDLE STREET, MINING SHARE DEALER.

E S B. B R E N C H L E Y,
DEALER IN MINING, RAILWAY SHARES, &c.
11, BOYAL EXCHANGE, LONDON. PETER WATSON LEAVES TOWN THIS DAY for CORNWALL, and will be at Great Wheal Yor all next week. adneedle-street, London, Jan. 2, 1859.

INE SHARES FOR SALE.— Upwards of £8000 worth of valuable MINE SHARES, some of which, I have ubt, will have a rise of 300 or 400 per cent, during this year.—Apply to Mr. ax, 4, Cushion-court, Old Broad-street, E.C.

CAPITALISTS .- RELIABLE INFORMATION may be

obtained on application to the undersigned, in respect of MISCELLAN EOUS UNITIES generally. BANKS, INSURANCE SHAKES, LAND COMPANIES, SC (British and Forigin), RAILWAYS, FOREIGN STOCKS, and the PUBLIC DS BOUGHT and SOLD at the closest market prices, and at moderate commis-References given and required. JOHN BATTERS, Stock and Sharebroker. Throgmorton-street, London, E.C.

MR. JOSIAH HUGO HITCHINS (Consulting Mining Engineer to the Devon Great Consols) informs his friends and capitalists generally that is PRESENT ARRANGEMENTS will enable him to AFFORD GREATER FACI-ITT and ADVANTAGE of CONSULTATION on the eligibility and value of MIN-MG INVESTMENTS.

Mr. J. H. HITCHINS will provide correct plans and sections for valuable reference; naure inspections and ensure reports by the best informed, most experienced, and limiterested agents, and will always, when practicable, perform such responsible sates himself.

isinterested agents, and will always, when practicable, perform such responsible states himself.

Mr. J. H. Hircuins will visit the mines of Devon and Cornwall, the North of Engand, Ireland, and Wales, to collect the most trustworthy information and opinions in their general working, state, prospects, and value.

Mr. J. H. Hircuins values his reputation as the projector, and having been for nany years the chief superintendent of those wonderful mines, the Devon Great Concols, and others of great importance; and presumes that the valuable experience equired and matured by him during his well-known successful development of them will guarantee the best advice to capitalists in their investments, both in dividend nines, and those capable of the greatest and earliest success.

Mr. J. H. Hircuins will offer his best advice and assistance to the projectors of aw undertakings of good promise and probable value, and to existing companies, in flecting the best improvements in the underground and surface departments, the nichinery, means, appliances, and management generally, of their mines.

Mr. J. H. Hircuins has no hesitation in saying that mines, judicioualy selected, and effectively worked with sound practical judgment and economy, prove very prolable investments.—Tavistock, Jan. 1, 1859.

B. E. GOMPERS, MINING SHAREDEALER, 3, CROWN COURT, THREADNEEDLE STREET, LONDON.

O MINING COMPANIES.—CAPT. JOSEPH RICHARDS
OFFERS HIMSELF AS MANAGER AND PURSER OF MINES.
Mines Dialided, and Plans and Sections furnished.
The Dialling and Mapping of Mines regularly attended to.
Mines inspected either in this country or abroad, on reasonable terms.
stervale. Bridestowe, Exeter, North Devon, Jan. 1, 1857.

AMES H. COCK, MINE SHAREBROKER, GENERAL COMMISSION AGENT, AND ACCOUNTANT, REDRUTH, CORNWALL. orders for the PURCHASE and SALE of MINE SHARES, MINING MATE. ALS, &c., promptly ottended to.

YAPT. THOMAS DUNN, of TAVISTOCK, undertakes to INSPECT, REPORT, and SURVEY any MINES or MINERAL PROPERTY IN ENG-IND, IRELAND, SCOTLAND, or WALES. No objection to take the management any mine or mines in the neighbourhood of Tavistock.

R. PALMER, NORTH DERBYSHIRE MINERAL RECORD OFFICE, MARKET HALL BUILDINGS, CHESTERFIELD, DEALER IN ALL DESCRIPTIONS OF MINING SHARES AND STOCKS, Several Derbyshire mines now offer great advantages to investor.

JOHN GLEDHILL AND CO., MINE AGENTS, SHARE
BROKERS, AND GENERAL DEALERS.
MINING RECORDS OFFICE, 12, SOUTH PARADE, LEEDS.
Mines well selected are the best investments, paying from 15 to 30 per cent. on the
butlay. They have to OFFER SHARES in most of the DIVIDEND and PROBRESSIVE MINES, and are ready to give every information relative to all mining
matters.—Dated Jan. 8, 1858.

R. WILLIAM MICHELL, MINING SHAREDEALER AND COMMISSION AGENT, 3, AUSTINFRIARS, LONDON, E.C. For the unexpected amount of support W. Micrexal has hitherto received from his iends and the public, he need hardly assure them of his grateful acknowledgments. It would now recommend those who have spare capital to lose no time in allowing into make a judicious selection of a few mines for investment, as there is no doubt lat mining shares will follow the reaction that has taken place in all other stocks described, and that great profits may be quickly realised.

W. Michell, has had 25 years' practical experiences in the various branches of fining; and by making periodical inspections of mines in Devon and Cornwall, is teter able to make a selection of those mines most likely to give the greatest amount profit for the smallest outlay.—Jan. 1, 1858.

TEORGE SPRATLEY, No. 15, OLD BROAD STREET, E.C.,

Teontinues to TRANSACT BUSINESS in MINES, RAILWAY, GAS, BANK,
d INSURANCE SHARES; and a carefully selected list of these securities, for spelation or investment, will be forwarded on application.

WANTED, the following SHARES, for which holders wishing to sell are requested te lowest price nett: fred Consols. heal Margaret. rovidence Mines.

3 Mary Ann. 15 Herodefoot. 50 Vale of Towy. 5 Ding Dong. 10 Wheal Wrey. 2 West Basset. 75 East Caradon. 20 Wheal Harriett.

H E N R Y G O U L D S H A R P,

BRITISH AND FOREIGN STOCK AND SHARREDEALER,

32, POULTRY, LONDON, E.C.

32 Pedu-an-dres, 12s. 6d. 10 Carnewas, 5s. 200 Chancellorsville, 2s. 4d.

30 Molland, 1s. 3d., calls 10 South Bog, 19s. 9d.

60 Wheal Harriett, 6s. 30 E. Wh. Russell, 61s 9d.

10 Bull.and Bertha, 5s. 6d., 10 South Buller and West

all calls paid. Ponstruthal, 10s. 20 Great Hewas, 17s. 6d.

20 Great Hewas, 17s. 6d.

20 Great Hewas, 17s. 6d.

8HARES WANTED.—100 Times Fire, 2s. 9d.; 100 Unity Fire, 6d. Bankers: London and Westminster Bank, Lothbury. Bankers: London and Westminster Bank, Lothbury.

R. GEORGE BUDGE, of 4, BIRCHIN LANE, CORNHILL, LONDON, has SHARES FOR SALE at the following prices:—

2 Rosewares, \$2328, 10 East Margaret, \$23%, 15 Wh. Edward, £6 l8s. 50 Wheal Zlon, 10s. 25 Great Wheal Blusy. 100 Hawkmoor, 17s. 6d. 20 West Sharp Tor, £34%, 20 Wheal Harriett. 50 Wh. Great Heal Busy. 12 Mary Ann, £46%, 57 Harriett. 50 Wh. Great Heal Busy. 12 Pendeen, £34%, 20 Wheal Harriett. 50 Wh. Great History. 25 Grand. 25 Harriett. 50 Wh. Great History. £14%, 10 College Mines, 3s. 10 Redmoor. 50 Fednandres, 10s. 6d. 10 College Mines, 3s. 10 North Buller, £34%, 10 City and Wenty. £8. 25 Great History. 17s. 6d. 25 Marth Resissar, £32. 10 Calatock Consols.

MR. T. P. THOMAS, MINING AUCTIONEER, 2, CROWN COURT, THREADNEEDLE STREET, LONDON.

DEALER IN MINING SHARES.

1. CROWN COURT, PHERADNEEDLE STREET.

1. CROWN COURT STREET.

1. CROWN COU

of opinion that the present affords a better opportunity for successful purchases than has occurred for a long time, the best isseription of shares being evidently at their minimum.

If an additional reason for an immediate investment were needed, George Moore would point to the great probability of metals generally advancing, consequent to the relief afforded to commerce by the reduction of the rate of discount, which will no doubt be eagerly availed of for exporting to these countries which are the greatest consumers, and which, owing to the late panie, have been almost entirely exhausted of stock.

Alfred Consols.

North Basset.

Cargoll.

North Basset.

North Basset.

North Wheal Crofty.

North Wheal Crofty.

North Wheal Robert.

Devon Great Consols.

North Wheal Robert.

Devon Great Consols.

North Wheal Robert.

North Wheal Robert.

Devon Great Consols.

North Wheal Robert.

Past Gonnols.

Past Gonnols.

Past Alfred Consols.

Past Consols.

West Fowey Consols.

Wheal Afrur.

Wheal Martur.

Wheal Mary Anu.

Wheal Mary Anu.

Wheal Mary Anu.

Wheal Mary Anu.

Wheal Trefusis.

Wheal Trefusis.

Wheal Trefusis.

Wheal Uny.

North Roskear.
The above are all bona fide properties, it is principal elements of success—"good foous has, after critical comparison of the egard to the question of time, determine as as likely to afford wider margin for exalfred Consols.

North William of Creat Consols.

North William of Creat Consols.

Vale of Towy.

Properties, most of them possessing one, if not both, of coess—"good locality and management;" but Grong uparison of their respective merits, and having particular ex, determined unhesistatingly to recommend the follow-margin for early profit:

North Downs.

North Wheal Crofty.

North Princes.

Par Consols.

Round Hill.

South Carn Brea.

South Carn Brea.

South Card Consols.

South Card Wheal Consols.

South Card Wheal Consols.

South Card Wheal Consols.

Treweths. evon Great Consols. Bedford.
West Basset.
West Selon.
West Fower Consols.
West Fower Consols.
Whosi Arthur.
Whosi Basset.
Whosi Edward.
Wh. Kitty (St. Agnes).
Wheal Grenville.
Wheal Trolawny.
Wheal Union.
Wheal Union.
Wheal Union. st Alfred Consols. East Baseet.
East Baseet.
East Gunnis Lake,
East Tamar.
East Theal Russell,
Great South Tolgus,
Great Baddern,
Herodsfoot. Harodafoot,
Keily Bray.
North Roskear.
North Buller.
Gronze Koone Will be happy to repplication.—Jan. 1, 1858.

M ESSRS, J. J. RRYNOLDS AND SON,
No. 1, BOYAL EXCHANGE BUILDINGS, LONDON, E.C., ENGLISH
AND FOREIGN STOCK, RAILWAY, AND MINING SHAREBROKERS, beg too
inform their friends and the public that the present time is a PAVOURABLE OPPORTUNITY for INVESTMENT in many undertakings of a substantial character,
paying dividends worthy the attention of the capitalist.
Every information can be obtained at their offices, which their practical experience
enables them to give, not only of mines and other properties of established value, but
of those that are not.

JAMES HERRON has FOR SALE the following SHARES, at the prices quoted, and FREE OF COMMISSION:

Jo Boiling Well, 28a, 9d. 480 Gwydyr.

25 Balnoon Cons., 10s. 6d. 25 Cath. and Jane, 6a. 10d. 20 Holmbusk, 37a. 9d., last call paid.

20 Chancellorsville, 2a. 9d. 25 Kity (Lei.), 412 18a. 9d. 20 College Mines, 3a. 3d. 30 College Mines, 3a. 3d. 30 Drake Walls, 28a, 9d. 10 Lacky (Lei.), 412 18a. 9d. 20 North Dewiss, 32a. 6d. 20 Penn. 4 E. Orin, 11a. 9d. 20 Vales of Towy, 18a. 9d. 20 Penn. 4 E. Orin, 11a. 9d. 20 Vales of Towy, 18a. 9d. 20 Penn. 4 E. Orin, 11a. 9d. 20 Vales of Towy, 18a. 9d. 20 Penn. 4 E. Orin, 11a. 9d. 20 Vales of Towy, 18a. 9d. 20 Penn. 4 E. Orin, 11a. 9d. 20 Vales of Towy, 18a. 9d. 20 Penn. 4 E. Orin, 11a. 9d. 20 Vales of Towy, 18a. 9d. 20 Penn. 4 E. Orin, 11a. 9d. 20 Vales of Towy, 18a. 9d. 20 Penn. 4 E. Orin, 11a. 9d. 20 Vales of Towy, 18a. 9d. 20 Penn. 4 E. Orin, 11a. 9d. 20 Vales of Towy, 18a. 9d. 20 Vales of Towy, 18 wing SHARES, at the
1 South Caradon, £347%,
10 St. Aub. & Grylis, £4%,
50 Sou. Condurrow, 5s. 64.
20 Tamar Consols, 17s. 9d.
1 Trumpet Cons., £19%,
5 Tincroft, £3 13s.
10 Treweths, 17s. 9d.
1 Trelawny, £26%,
20 Vale of Towy, 18s. 9d.
5 Wheal Gupid, 10s. 6d.
1 Wheal Margaret.
1 Wh. Mary Ann, £44%,
5 Wheal Edward, £7%,
5 West Basset, £24%,
10 Wheal Hender, 14s.
10 West Par, 8s. 9d.
20 West Granville.
1 West Sharp Tor, £33%,
interest to 8 per cent., and 4 Forest. 20 Gawton Unit., 12s. 9d. 5 Great Alfred, £4 1s. 9d. 5 Grenville, 32s. 6d. 20 Great Hewas, 16s. 9d.

5 Grenville, 33s. 6d.
20 Great Hewas, 16s. 9d.
5 St. John del Rey.
2 West Sharp Tor, 233
As was anticipated, the Bank has reduced the rate of interest to 8 per cent, as
money market is daily becoming easier; this must have an influence in the Mini
Market, and it is fair to presume the price of well-selected mines will soon be con

derably higher. Those, therefore, who are disposed to invest should not longer delay making their purchases.

Mr. Harshow recommends with confidence the following—Trelawny, Mary Ann, Wheal Margaret, Vale of Towy, Drake Walls, South Caradon, West Caradon, West Basset, Kelly Bray, Grambler and St. Aubys, Stray Park, and St. Aubyn and Grylls, 2, Adam's-court, Old Broad-street, London, Jan. 1, 1858.

2, Adam's-court, Old Broad-street, London, Jan. 1, 1858.

MESSRS. VIVIAN AND REYNOLDS, MINE AGENTS, 68, OLD BROAD STREET, LONDON, E.C.

Messrs. Vivian and Reynolds are enabled, through the long experience of Mr. W. C. Vivian as an underground agent and manager of mines in Cornwall, and in various foreign countries, to afford informatian ose must important mining districts; and to inspect and report on mines. They are also enabled, by the several years' acquaintance of Mr. J. J. Reynolds, jun., with the transaction of the London share market, its obtain every advantage for those who may boncar them their confidence. The value of mining stock has been depresiated in rulue, in common with almost every other description of property, by the disordered state of the money market; those persons, therefore, who are in a position to purchase at present prices have more than ordinary chances in their favour of profiting by a rise in market value. It is generally supposed that the worst of the financial presence has been passed, and the downward tendency in the prices of copper and tin has been arreated, so that there is every probability that the value of mining shares will soon again relly.

Messrs. Viviax and Exynolds are, therefore, of opinion that the present is a favourable opportunity for purchasing shares in mines that are conducted on sound business principles, and situated in good localities, and they recommend the following: North Wheal Crofty.

North Roskear. North Frances.

MR. W. H. BRUMBY, STOCK AND SHAREBROKER, I, QUIET STREET, BATH, is in a position to give the BEST ADVICE in the SELECTION and PURCHASE of DIVIDEND and PROGRESSIVE MINES.

MR. R. LINTHORNE, ENGLISH AND FOREIGN MINING AGENT, 3, ADAM'S COURT, OLD BROAD STREET, LONDON. BUSINESS TRANSACTED in all ENGLISH and FOREIGN MINES, and other SECURITIES, on the usual terms of commission. Information afforded in respect to Dividend-paying and Progressive Mines.

MR. JOHN R. PIKE, MINING AND SHAREBROKER, 3, PINNER'S COURT, OLD BROAD STREET, LONDON. WILLIAM MARLBOROUGH, MINING AGENT, (For many years with Mr. T. P. Thomas), 57, OLD BROAD STREET, LONDON."

MR. WILLIAM MOORE, STOCK AND SHAREDEALER,
11, HERCULES CHAMBERS, OLD BROAD STREET,
N.B. Business transacted in every description of stock and shares.

MR. FRANCIS R. BILL, CONTRACTOR, AND GENERAL ACCOUNTANT AND AUDITOR.

32, BUCKLERSBURY, LONDON, E.C.

CONTRACTOR for the SUPPLY of RAILWAY MATERIALS of every description. Estimates prepared. Agencies undertaken. ACCOUNTANTSHIP BUSINESS of all kinds performed under contract, whereby a considerable saving on the usual cost may be effected.

R. H. HUXHAM, COLLIERY VIEWER AND MINING ENGINEER, UNDERTAKES the SURVEYING, VALUING, or AGENCY Of MINERAL PROPERTIES, the WINNING, WORKING, or VIEWING of COLLIERIES, &c., on moderate terms; and begs to assure those who may favour bian with their commands that all business entrusted to his charge shall reserve prompt attention, and be executed with the utmost fidelity and care. References and testimonials of the highest character.

Mr. H. HUXHAM has room for TWO ADDITIONAL ARTICLED PUPILS, who would have an excellent opportunity of attaining a thorough knowledge of practical and theoretical mining engineering.—Cwm Rhondda, Zont-y-pridd.

OLD MINING COMPANIES.—SHAREHOLDERS in the different CALIFORNIAN and AUSTRALIAN GOLD MINING COMPANIES are requested to CALL on Mr. F. SQUIRE, 74, King William-street, City, that he may submit to them a plan by which the shares in such companies, which are now valueless, will be again marketable.

74, King William-street, City, Dec. 24, 1857.

HARES WANTED in BOTALLACK, NORTH ROSKEAR, PROVIDENCE, PAR CONSOLS, KITTY, MARGARET, and OTHER DIVI-DEND MINES.—Apply, of letter only, with lowest cash price, to Mr. Goodall, 23, whitecross-street, City.

PARTMENTS IN LONDON.—A GENTLEMAN about to reside in London can be FURNISHED with a HOME, where the family is small, and no lodgers are kept. To a young gentieman from the country, about to enter into a situation, commercial or professional, great advantages could be secured. Charges very moderate.—Apply by letter (post paid) in the first instance, addressed "R. F.," Mining Journal office, 28, Fleet-street, London.

BIRMINGHAM AGENCY.—WANTED, by a GENTLEMAN well known to the merchants and manufacturers of Birmingham, and who has offices in a first-rate situation, an AGENCY, or the SECRETARYSHIP to a COMPANY, where the whole of his time would not be required. First class reference.—Apply, by letter only, "179," Midland Counties Herald office, Birmingham.

TO COAL AND IRONSTONE MASTERS.—WANTED, by the ADVERTISER, a SITUATION as RESIDENT VIEWER and COLLIERY MANGER. References and testimonials of the highest character can be given.—Address, "E. W.," Star of Guernt office, Cardiff.

TO COLLIERY AND MINING PROPRIETORS.—WANTED, a SITUATION as SURVEYOR, DIALLER, CATAIN'S ASSISTANT, or STORKEEPER, by a YOUNG GENTLEMEN, of seven years' practice. No objection to joining a party for any foreign works.—Address, "R. C.," Mining Journal office, 20, Fleor-street, London,

THE WARRINGTON GASLIGHT AND COKE COMPANY.—
MANAGER WANTED.—The directors are prepared to APPOINT a MANAGER, who must combine a practical knowledge of and experience in all the details connected with the making and supply of gas, and book-keeping relating thereto. The salary will be 150, per annum. Satisfactory security will be required.—Applications in writing, under seal, with testimonials, must be addressed to the directors on or before the 14th January, 1853, under cover to Mr. Jawas Barnarr, solicitor, Warrington, Warrington, December 15, 1837.

TO IRONMASTERS.—The ADVERTISER has been MANAGING POROR and MILLS for the last 20 years, and will shortly be OPEN to a FRESH ENGAGEMENT. Unexceptionable references.—Address, W. B. POFRIN, chiemist, Massieg, Bridgend, Glamorganshire.

INERAL DISCOVERY TO LET ON LOCH FYNE.

See Mining Journal of 19th December, 1857, page 882.

WANTED TO LEASE, or otherwise, a MINE containing the ORES of NICKEL and COBALT.—Address to Mr. Nichol, Mining Journal office, 26, Fleet-street, London.

TO BE SOLD, CHEAP, ONE 30 in. PUMPING ENGINE and BOILER, complete, in good condition (near Liskeard); ONE 36 in. ROTARY ENGINE, with FIX. WHEEL and ONE BOILER (near Plymouth).—For particulars, apply to Mr. Hv. Willa, 17%, George-atrect, Plymouth.

WANTED, a GOOD SECOND-HAND PUMPING ENGINE. 36 to 45 in. cylinder.—Apply to W. H. M. Blews, Esq., Birmingham.

WANTED, a 30 ft. WATER-WHEEL, 3 or 4 ft. breast, with crusher, &c., complete, for a mine in Cardiganshire. To be delivered at Aberystwith.—Apply, stating aft particulars, to Mr. Chas. D. Burr, 15, Union-court, Old Broad-street, I ondon, E.C.

MANGANESE.—SOCIÉTÉ GÉNÉRALE DE MANGANÈSE. AGENT—H. SCHOLEVIELD, 6, Sandhill, Newcastle-on-Tyne.

MESSES. A. J. HUTCHINGS AND CO.'S
PATENT IMPROVED WIRE ROPE.

SOLE MARKES TO THE
LORDS OF THE ADMIRALTY, THE FERNCH AND TURKISH GOVERNMENTS,
And the principal Colliery Proprietors throughout the kingdom:
MANUFACTORY, MILL WALL, FOFLAR, LONDON.

ROUND and FLAT ROPES of every description, suitable for mining operations or other purposes, GALVANISED or UNGALVANISED, MANUFACTURED upon the newest and most improved machinery, engaring greater plability, durability and

the newest and most improved machiner, ensuring greater pliability, durability, and strength, and is admitted by the principal coal proprietors to be far amperior to any other kind of wire rope. The superiority of these ropes over hempin cates, in point of strength, lightness, durability, and cost, is admitted by all who be at tried them.

GUIDE ROPES, SIGNAL CORD, LICHTNING CONDUCTORS, ex.

EAD FOR EXPORTATION.—PIG-LEAD (hard and soft) SOLD at LOW RATES. The BEST PRICE given for LEAD ASHES, &c., and OLD LEAD.—ROUPELL and Co., Southwark Lead Works, Gravel-lane, London.

NICKEL AND COBALT REFINING, AND GERMAN SILVER WORKS, 10, OOZELL STREET NORTH, BIRMINGHAM.
STEPHEN BARKER begs to inform the Trade that he has the following sriletes

REFINED METALLIC NICKEL. | OXIDE OF COBALT. | WIRE, &c. REFINED METALLIC BISMUTH. | GERMAN SILVER—IN INGOTS, SHEET, NICKEL AND COBALT ORES PURCHASED.

THE MIDLAND IRON COMPANY, ROTHERHAM, YORK-SHIRE, MANUFACTURERS OF RAILWAY TYRES AND AXLES FOR LOCOMOTIVE ENGINES, CARRIAGE AND WAGON WHEELS. From the tests to which this iron has been submitted by engineers and railway companies during several years, its superior quality has been generally asknowledged, and can be unhesitatingly affirmed.

EAST WHEAL RUSSELL.
ALFRED CONSOLS.
SPECIAL REPORTS on the above MINES, by eminent pract authorities, will appear in Mr. MURCHISON'S REVIEW, to be published about ten days, price One Shilling, at 117, Bishopsgate-street Within, London.

THE PROGRESS OF MINING IN 1857.

By J. Y. WATSON, F.G.S.

BEING THE FOURTEENTH ANNUAL REVIEW.

At the end of 1856, I wrote that the most exciting part of that year ha en towards its close. I might almost say the same of 1857, though in sense, for while the excitement noticed in Dec., 1856, was from ed prosperity in mining, the sudden rise in the price of copper, and the healthy tone of the money market; the excitement of the past few months has been, to many, the excitement of despair. In a Review like this, it is not for me to enter into the details of the monetary panie, though it be the most memorable, as well as lamentable, feature of the year, but merely to notice its effects upon mining operations. In Nov. and Dec., 1856, copper rose suddenly, and a considerable rise in the standard followed; this gave such life to mining that it was difficult to get shares in good dividend mines, and I ventured to predict increased profits from the old mines, and the addition of fresh mines to the Dividend List. For some time these predictions were verified, as a list of the dividends paid for the first six months will show. Then the standard began to decline, some of the old mines began to reduce their returns, the shares drooped, and when, owing to the monetary crisis, the smelters suddenly dropped the standard to such a ruinous extent that the wealthier mining companies threatened to withdraw their ores from the ticketings, shares in mines which twelve months before could scarcely be obtained became almost unsaleable. Yet a large amount of attention has been given throughout the year to young and progressive mines, where the management is known to be good, and no fear of liabilities beyond current expenses accruing; and when the Bank of England raised the rate of discount to 10 per cent., and joint-stock banks were giving 8 per cent. for money on deposit, it had not so much effect upon these speculations as many prophecied, though, of course, prices have been affected, especially when sales have been pressed. Taken in the suggregate, I look upon the effects of the panie as having a tendency to affect dividends for a time, both in lead, tin, and copper mines; to stop the working of many old mines, which have been struggling on for years past, selling quantities of orce, but at no profit to the shareholders; and of purging the market of many worthless schemes. How far the decrease the healthy tone of the money market; the excitement of the past few nths has been, to many, the excitement of despair. In a Review like this,

already taken place in shares will be more clearly seen when treating of the fluctuations in the market.

Coppus.—In my remarks upon this metal, at the close of 1856, strong hopes were expressed of a prosperous coming year for those interested in it; and the reality for a time exceeded our expectations, for a continuous course of high prices ruled, with the prospect of even higher, up to the commencement of the American panic, which so quickly convulsed the whole of Enrope, and told its tale upon our own "standard." Much dissatisfaction was caused by the smelters continuing the price of copper unchanged, whilst week after week they reduced the standard for ore; and much bad feeling would have been avoided had the change in price been simultaneous. But this, we are told, could not be, since large stocks of ore are required by the smelters, and, consequently, as the standard advances first, the price of copper is maintained after the fall of the standard. Another ground of complaint against the smelters is the manner of carrying out changes in price when necessary, it being thought by many that three reductions of 5½ per ton each time would have been better than one of 1½d, per lb., which was the reduction made on the 8th. Others think it more desirable (and it seems so) to make the necessary changes at once, and thereby give confidence to the buyers of copper, that the ruling price is likely to continue. Next to a good price is a steady one, and we do not doubt that after some months, when the present general distrust which is paralysing all business shall have given place to something akin to confidence, we may again see an advance of at least 204, in the standard for ores. As the Americans boast of their recuperative qualities, we hope they will soon again be amongst our best customers, instead of, as for the last month or two, doubly depressing our qualities, we hope they will soon again be amongst our best cus ers, instead of, as for the last month or two, doubly depressing our twe qualities, we hope they will soon again be amongst our best customers, instead of, as for the last month or two, doubly depressing our market, by sending hither large quantities of copper as well as of ores. Under the present circumstances of the copper market, mines losing money should keep down every item of expenditure to the lowest possible point, in the assurance that a few months will greatly mend their position; others, capable of making returns in excess of their expenditure, should limit sales to meet actual costs. The reaction in copper may be even sooner and greater than we look for, seeing that every foreign market is understocked; and the depression will not have been without good results, if it causes shareholders to take our advice, and look more closely into the general management and details of their mines. Too much is in some cases left to, and in others assumed by, the managers or pursers, and it is quite time these gentlemen should know they are the agents and servants of the shareholders, and, as such, may be displaced. As a rule, in my applications to pursers for information I meet with the greatest courtesy and attention; but there are some who manage mines just as they please, and I verily believe look upon questions, even from shareholders, as pieces of great impertinence. Where managers are left too much to themselves they are apt, by clever working, to convert the mines into little freehold estates for themselves; and it is amazing to observe how some concerns are managed, so as to meet the costs and no more, whatever the standard may be: others, possibly to prevent enquiry and examination, give an ocbe: others, possibly to prevent enquiry and examination, give an oc-nal dividend. Now, this we conceive to be a lord's question as well hareholder's, and we hope the hint may be taken by the lords' agents. as a shareholder s, and we hope the first may be taken by the lords agents. Sinking, driving, and cross-cutting are necessary to proper mining, and these, too often we fear, are discontinued, lest discoveries be too quickly made, many agents being satisfied, whilst making both ends meet, with the lengthened existence of the mine, quite disregarding the fact that it must be both the lords' and shareholders' interest to get out the ore in their sett in the shortest possible time consistent with fair mining. We trust these points will have more attention in future from "One and All," and recommend a more general use of provises when shareholders cannot commend a more general use of proxies when shareholders cannot sent at meetings in person. This, however, is all a digression, and st return to a weightier subject.

we must return to a weightier subject.

LEAD.—The demand for this article throughout the year has been good, and on the whole the price has been remunerative and steady. It is more than probable that the demand has outrun the production, although not strongly evidenced in the price; and what was used as an argument in favour of the free import of copper ores is now, probably, operating upon lead. When the great outery was raised against foreign copper ores, the miners were met by the opposite party with the argument, that it was not a question of stopping foreign mines, for that was beyond our power; and seeing that the ores would be raised, and, if not admitted here, smelted abroad, was it not more to the interest of the English miner to admit them, and so control the price of copper? England has since been the copper market of the world; and could it be so arranged that all foreign lead ore should be brought here, it is considered the price of lead would rule much higher; but now, the competition with lead smelted abroad, and by mining higher; but now, the competition with lead smelted abroad, and by mining companies at home, is ever pressing upon the price. The present posicompanies at home, is ever pressing upon the price. The present tion of lead is, on the whole, very satisfactory, considering the ge tagnation of trade; the stocks of the smelters have, we suppose, been ther accumulating, but in the course of three or four months an ex-fort demand may be looked for, and then, with the general revival of commerce, we shall have better prices for the ore. We may be wrong, but we hope to see before long the price 23t. to 25t. a ton. To this time, lead mines have not been so seriously affected by commercial distress as those of tin and copper.

tress as those of tin and copper.

Tin.—At the close of last year high prices, for some time, were also predicted for this article, and our views were fully realised, the price having ruled for some months even beyond what we expected, and but for the sudden commercial hurricane would probably have remained undisturbed. Tin, so far, has been a severer sufferer through the fearful monetary crisis than any other metal; arising chiefly from the cessation of demand for tin-plates, in which so large a quantity is consumed for the States, and from the large quantity known to be unsold by the buyers at the last Dutch suction. The mines have felt, and will further feel, the reduction in price for the ore, consequent upon the reduced price of tin, but when they consider how very high the price has been, it will be seen that the price likely terule is not one to cut off all profits, but merely to cut them down. Of course, such mines are alluded to as should be worked in the expectation of profits from what had hitherto been considered a high price for tin, and not from a price called into existence by the competition of speculators in the article. The price paid at the last Dutch sale was from

10f. to 15f. per ton more than any one in this country looked for, and was purely speculative, and the increased profits to the miners may have led them to look less closely into their expenditure. Let them now examine narrowly every article of cost, and whilst allowing their men to have full and fair wages, hear in mind the great reduction in price of almost everything required in mines; for where merchants are also managers of mines, this is not sufficiently looked into. The future of tin no one can forted, but with the certainty of manage wave chean in two or mines, this is not sufficiently looked into. The future of tin no one can foretel, but with the cartainty of money being very cheap in two or three months, and with the knowledge that sales for the last two months have been small, it is very evident that all consumers must be getting low in stock, and that when trade begins to revive tin will be in demand, and in all probability at prices which will be both profitable and continuous for the miners. In the mean time, no mine should sell more than will pay the costs; and old mines, not able to pay from a fair price for ore based on 110f. or 120f. for tin, should be considered as doubtful properties. It is one fortunate circumstance that the imports of tin ore from Australia have ceased for some months, and we are informed the quantities likely to come are very small indeed.

From the valuable Mineral Statistics of the United Kingdom, published by Mr. Robert Hunt, F.R.S., I find that in 1856 the copper ores returned by 135 mines in Cornwall and Devon were, 206,177 tons of ores, producing 15,533 tons17 cwts. 1qr. 23 lbs. of copper, and 1,241,836,2s. 6d. in money, being about 20,000/. less than the previous year. The average produce per cent. of this ore was 6½ 1-16th; average standard, or value of the copper in the ore, 1334. 13s. The copper sales in Wales during the same period, the produce of Irish, Welsh, and foreign mines, was 42,189 tons of ore, producing 6108 tons 15 cwts. 3 qs. 17 lbs. of copper, and 628,524/. 5s. in money; being, also, 20,000/. less than the previous year. The price of metallic copper in London was—lowest price, 117/. per ton; highest price, 135/. per ton. The quantity of lead ore raised in the United Kingdom during the same period, from upwards of 400 mines, was 101,997 tons 15 cwts., producing 73,129 tons of lead, 614,188 czs. of silver, and 1,431,509/. in money; showing a considerable increase over the previous year. The silver realised, at 5s. an ounce, 153,547/. Of the above quantities Cornwall yielded 9973 tons of ore, or 6697 tons of lead, and 248,436 czs. of silver. Of this silver, Wheal Mary Ann produced 52,638 ounces out of 1314 tons of lead ore; Wheal Trelawny, 34,993 ounces out of 1029 tons of ore. The richest ore for silver, however, seemed to be Wheal Langford, in the Callington district; 33 tons of lead ore yielding 1660 czs. of silver; Holmbush, 18 tons yielded 541 czs.; Devonshire, yielded 3136 tons of lead ore, 2000 tons of lead, and 77,456 czs. of silver. Among the mines, South Tamar, which was destroyed by the breaking in of the River Tamar on Aug. 31, 1856, yielded 33,351 czs. of silver, in 691 tons of lead. Derbyshire, 9524 tons of roe, and 6261 of lead. York-shire, 12,174 tons of ore, and 8986 tons of lead. Westmoreland, 2923 tons of ore, 37674 tons of lead, and 79,924 czs. of silver. Late of Man, 3217 tons of ore, 2450 tons of lead, and 79,924 czs. of silver. Late of the company of the company of the com by Mr. Robert Hunt, P.R.S., I find that in 1856 the copper ores returned by 135 mines in Cornwall and Devon were, 206,177 tons of ores

um, from ditto, 1 ton, 97. 108. Of iron, 10,483,309 tons of ore were raised, and 3,636,377 tons of pig-on produced, valued at 5,695,8151. for the ore, and pig-iron valued a

4,545,508*l*.

Of coal, the production was 66,645,450 tons, showing an increase over the previous year of 2,192,380 tons. The value at the pit's mouth has sen calculated at 16,663,862*l*.

The market value of the metals enumerated above, as obtained from the

furnace, have been calculated at the enormous sum of thirty-seven millions seven hundred and eighty-three thousand and twenty-one pounds sterling, for

seven hundred and eighty-three thousand and twenty-one pounds sterling, for the produce of one year.

My Review has, however, more to do with mining for copper, lead, and tin than anything else, and in showing the results in the dividends of pro-fits paid to shareholders in the last twelve months, the first column gives the amount of capital originally subscribed per share, and the second co-lumn the present market value. The amount of dividends paid in 1856 is also given, to indicate the increase or decrease in each particular mine.

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B	R	1	T	1	8	H		M	1	N	E	8	

١			1	BRIT	ISH	MIN	ES.						
	Mine.	mount paid.	value	. pe	r share	e. ir	185	Div.	1856	. in	1857.	in 18	6. 57.
ı	Alfred Consols.	£214	£12	£ 2	9 0	£1	2544	£	8700	£	3540	£	-
1	Bedford United Botallack	276		28	0 0	******	5600	******	5800	*****	2200	******	900
1	Botallack	3012	90	0	0 9	******	2160	******	1880	******	_	******	720
1	Budnick Cone	2073	6		10 0	******	208	******	_	******	208		-
1	Brightaide	50	. 4	0	4 0	******	240	******	300		-		60
1	Calstock Cons	5	. 534	0	3 6	*****	512	*****	nil.	*****	513	*****	-
1	Carn Brea	15	. 50	6	0 0	******	6000	*****	nil.	*****	6000		-
1	Bosean	5	. 12	2	5 0		4500		nil.	*****	4300	******	
1	Condurrow	20	, 90	0	10 0		2360	******	2540	*****	639		280
ı	Craddock Moor	3	495	67	0 0		8008		0202	******	9916	******	=
ı	Devon Gt. Con. Drake Walls £1	10					3000		1000	******	2.000	******	100
ı	Doleosth	257	300	9	0 0		6444		5101	6	13435	6	_
1	Derwent	30414	. 150	0	10 0	******	2800		2800		_		-
ı	Ding Dong	32			1 0		672		7056	*** **	=	6	384
1	East Falmouth	2	. 4	6	5 0	******	512	*****	4000	*****	512	*****	77
١	Eyam Exmouth	5	. 60	0	0 0 15 6	******	44171	······ '	51.90	******	2500	22	240
ı	East Pool	241	150	0	10 0	******	2800	3	3200	******	_	*** **	400
J	Fowey Consols	4	. 5	0	6 0	******	1483	******	3705	******	-	2	223
ı	Grambler & 1	1001/		6									_
1	St. Aubyn.	109%	, 60										
ı	Great Work I	100	, 140	7	10 0	******	892	*****	3867	¥	4100	297	5%
1	Gt. S. Tolgus.,	214	. 15	1	10 0	******	610	10000	mil.	******	519	******	
1	Herodsfoot	914	. 80	8	0 0	*****	1280	*****	1280	******	01.	******	_
1	Mary Ann	8		8	15 0	******	8960	******	7680	******	1280	******	-
1	Mendip Hills	33/	. 1%	0	5 0	1	1250	******	1250	******	-	*****	-
ı	North Basset	nil.	. 12	9	11 0	1	5300	2	6850	******	****	11	550
ч	Par Consols	116	. 19	4	6 0		7529		8200	*****	9320		*00
1	Phonix Polberro	30		4	17 6	******	4480		2995	*****	1595		300
1	Providence	204/	70	18	0 0	1	0080	1	0080	*****	record.	*****	Miner.
1	Rosewarne Ud.	12	. 25	3	10 0		1792		6912		-	5	120
ч	Rosewarne Ud., St. Day United	2	. 114	0	2 6	1	2500	******	nil.	******	2500	*****	Medi
d	St. Ives Con	80	, 150	20	0 0	077107	1500	*****	752	*****	1128		000
	Sortridge Con. South Frances.	08	220	0	0 0	9	5799		6288	******	_	********	496
П	South Caradon	214	340	56	0 0	1	4338	1	2288	******	2050	******	-
ı	South Caradon South Tolgus Tincroft	16	110		0 0		2816	******	nil.	******	2516	*****	-
1	Timeroft	9	. 316	0	10 0	*****	3000	******	4500	*****	-	1	500
,	Trewetha	21/2	. 1	0	3 0	*****	614	******	2457	******	1000	1	843
1	Trelawny	3	. 26		10 6		1150		3850	000004	1020		700
4	West Caradon	20	110	13	0 0		3328	******	nii.	******	3328	******	-
•	West Damsel	10	. 80	6	0 0		1536	******	nil.	*** **	1536	*****	-
1	Tincroft Trewetha Trelawny West Basset West Caradon. West Damsel W. Providence	.136	. 11	1	0 0		1024	******	2816	*****	-	1	792
	West Seton	3816	, 300	46	0 0	1	8400	1	3600	******	4500	*****	-
d	W. Providence West Seton Wendron Con. Wheal Basset .	23%	150	41	0 0		1024		1222	*****	1024	10	240
	Wheal Buller .	5	300	89	10 0	1	0246	9	3040	******	-	12	794
ė												******	-
	Wheal Grylls	48	. 34	0	2 0	******	102	101090	nil.	******	102	******	-
,	Wheal Jane	314	. 17		0 0	*****	2048	*****	mil.		2048	******	-
1	Wh. Kitty (Lei	1.)5%	. 12	2	15 0	******	750	*****	750	*****	942	******	_
- 1	Wh. Margaret	79	45	15	0 0	******	6720	******	3920	*****	2800		-
2	Wheal Owles.	70	. 300	23	0 0	******	1840		1720	*****	120		1504
t	Wheal Seton	107	. 150	12	10 0		2475	*****	2871	*****	Pina		200
1	Wheal Wrey	114	. 53	0	9 6	*****	1946	A200	5529		-	8	083
1	Wheal Glifford, Wheal Grylls., Wheal Jane Wh. Kitty (Lei Wh. Kitty Wh. Margaret, Wheal Owles., Wheal Seton Wheal Wrsy	Total o	nyiden	as in I	507			2386 ,	049 I	US.			100
9	7.1			WEL	BH.	MIN	E 5.						
a	Cwmystwith		150	25	0 0		8200	******	-	000000	-	*****	-
0	East Daren	. 32	100	18	0 0		5400	*****	-		- minut	*****	-

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Isle of Man 25 Laxey100	1000 100 0 0 2000
Heirford Il Mining Co. 7	IR16H MINES 84 0 5 0 500 1000 500 15 0 10 6 10500 21000 10500
of Ireland Wicklew 5	31 1 12 6 8125 2300 5005 —
Burra Burra Cobre Copper	5 0 012380
Gen. Min. Ass. Linares Mariquita	0 18 9 13000
For the sake	of comparison, I give, as usual, the dividends from profits

Drittan min	es since 184	0:	70 - 120	1.000			
Year ending	1845, on 18	mines		£215,450	0	0	
	1846, on 28			158,838	0	0	
19	1847, on 30	, ,,		155,381	0	0	
**	1848, on 22	20	Acres	129,024	0	0	
11	1849, on 38			185,741	0	0	
**	1850, on 42	111		213,570	0	0	
CORD TO A	1851, on 46	11	4	216,486	0	0	
10	1852, on 50	111		261,267	0	0	
19	1853, on 60) 11		330,755	0	0	
10	1854, on 52			817,976	0	0	1
19	1855, on 54	99		340,714	3	4	
	1866, on 6			383,418	8	8	
	1857, on 60			386,043	10	0	

"1856, on 55" 388,418 8 8
1857, on 60 "388,043 10 0

In this year's list, 60 mines have paid 386,0431. 10s, showing an increase over 1856 of 26251. 1s. 4d.

The mines in the Dividend List of 1856, and not in that of the present year, were—South Tamar, which then paid 45001., and afterwards became destroyed by the influx of the River Tamar; United Mines, 8001.; Tretoil, 10001., never fairly made; Wheal Lovell, 4301.; West Darlington, 2101.; Carnyorth, 6141.; Tsmar Consols, 12001.; Spearne Moor, 2101.; Hingston Down, 36001.; Wheal Fortescue, 3751. Of these, it is hoped, Tamar Consols and Hingston Down will soon pay again.

The mines in the Dividend List of this year, and not in that of 1856, are East Falmouth, which has paid 6121.; Budnick Consols, 2081.; St. Day United, 25001. (first time of paying); Carn Brea, 60001.; Herodsfoot, 5121.; Wendron Consols, 10241.; Craddock Moor, 6331. (first time); West Caradon, 33281.; Wheal Grylls, 1021.; West Damsel, 15361.; Calstock Consols, 5121.; Wheal Jane, 5121.

Devon Great Consols has again increased its dividends 92161., but on referring to most of the other old dividend mines it will be found they have generally fallen off; but as these will be treated of in their regular order, they need not be further noticed in this place.

Among mines which had been dividend-paying, but did not pay in 1866, I stated in my last Review that West Caradon, South Tolgus, and Great South Tolgus would re-commence in this year, and they have each done so, paying in the aggregate 14,2441. Among progressive mines, I named three as likely to enter the Dividend List—Great Alfred, Grambler and St. Aubyn, and Porkellis; the first and last have greatly disappointed expectation, but Grambler and St. Aubyn has paid 14681, with every reasonable expectation of an increase this year. The progressive mines to enter the Dividend List this year will probably be East Bassot, Wheal sonable expectation of an increase this year. The progressive mines to enter the Dividend List this year will probably be East Basset, Wheal Edward, Copper Hill, North Roskear, North Frances, Cwm Erfin, Great Baddern, &c.

Baddern, &c.

Great fluctuations have taken place in the value of shares. Bassets have fallen from 240 to 150; Rosewarns from 50 to 25; North Basset from 36 to 12; West Basset from 32 to 22. East Basset rose from 35 per 512th to 120, and then went to 92; Sortridge Consols rose from 1½ to 2, and now 1½; Herodsfoot rose from 2½ to 8; Wheal Uny, 2 to 8½, and down to 7. South Caradon shares throughout the year have kept steady, at from 340 to 350ℓ. Wheal Wrey dropped from 8 to 5. Devon Consols rose from 430 to 470, and then dropped to 420. Grenvilles have fluctuated constantly from 1½ to 2½; Great Alfreds dropped from 12½ to 4; Great South Tolgus rose from 14 to 17, and then down to 15 again; East Pool dropped from 310 to 150; Dolcoath rose from 210 to 330, and down again to 250; Cwm Erfin rose from 10s. to 6ℓ. 10s.; Wheal Mary Ann rose from 42 to 50, and down to 45; Buller shares rose from 260 to 310; Copper Hill from 170 to 220; Botallack from 170 to 230. Alfred Consols rose from 18½ to 24; then dropped gradually to 11, rose again to 18, then in a few days down again to 13, and now 12 to 13; the fluctuations are very great in this property, and, as a general rule, shares were right to buy when low and sell when high. Trewetha declined from 3½ to 4; Wheal Margaret rose from 40 to 80, and then dropped to 45; West Providence fell from 14 to 5; Wheal Clifford from 550 to 250; Ding Dong from 34 to 20. Margerys down from 17½ to 7.

At the end of my last year's Review I stated that "there must be a general and great advance in the price of good progressive mines, and I should choose such almost in preference to dividend mines, which are already at high prices." I also added that I could point out from six to twelve mines which, if invested in, could not fail to pay large profits. How far I was correct in giving the preference to progressive mines is clearly shown by the great fall in dividend mines, and in the great rise in progressive mines.

In looking to the future, much depends on the price of metals, and the old mi Great fluctuations have taken place in the value of shares. Bassets have

in progressive mines.

In looking to the future, much depends on the price of metals, and the old mines have become so seriously affected by the decline in them already, that while I hope the worst is over, I could not, without serious consideration, advise holders to sacrifice their shares, merely for a temporary decrease in some, and a cessation of dividends in others, yet I should still prefer good progressive mines where there is room for their development, without the enormous cost of working some of the old mines, and making their profits dependent upon the caprice of the copper buyers. The mines I should prefer, or at least twelve of them, I have again selected, but, as I said last year, shall only give the list privately.

A few words, now, to those who embark in mines. As mining is too often but another name for uncertainty, be not too excited by good, nor disheartened by bad, reports. Could we reduce mining for copper, lead,

often but another name for uncertainty, be not too excited by good, nor disheartened by bad, reports. Could we reduce mining for copper, lead, or tin to as much of a certainty as even mining for coal, we could calculate within a little what outlay it would take to realise a fortune. But in metal mines, many which are considered by the first practical judges as the best of speculations turn out failures; while others, deemed worthless, and thought only worthy of abandonment, by one stroke of the pick reveal a fortune! This is the fascination of mining, leading us on, hoping sometimes almost against hope, and finding hope at last an ignis fatens—but sometimes, too, showing that the gloomiest prospects suddenly turn to the brightest. As an extraordinary example of this take East Rose, a modern instance, and one well known to many. The mine was to be abandoned for poverty, and the company met to dissolve, but, on squaring accounts, it was found there was a balance of 2004 in hand, which, instead of dividing, it was agreed to lay out in a "cross-cut" this cross-cut met with a lode, making the mine the richest for lead in England; and this outlay of 2004, made as a forlorn hope, brought the shareholders a clear profit in a few years of 300,0004.

Those who embark in mines, in what we may term a bona fide manner, are those who buy dividend stock, knowing well that they cannot get 20 per cent. for money without some risk; secondly, those who buy progressive mines, in expectation of early dividends, and an increased value for their shares; and, thirdly, those who buy young mines, 'repared to go on and develope them, by paying their proportion of expenses incurred, and looking for their reward in the success of the mine, or prepared to lose, if unsuccessful. But by far the greater number of these who embark are not miners at all, but speculators, who buy simply for a rise in shares, never intending to develop a mine, or pay calls, if they can be avoided; and this is the sort of speculation that runs half our young concer

cround, and a rich mine; so that in 1854 they made profits, and have to this time (three years) divided upwards of 70,000£, profit, and the mine for which they gave 700£, with a terifine further outlay, rose to a market value of 200,000£. Of course, this is one of the prizes to a dozen blanks; but it is not an isolated case, and I mention it to show the effects of perseverance in a good district.

We are all naturally inclined to be too sanguine in mining and too remise in calculating the costs of working a mine, and here again disappointment often occurs. I have gone into mines where the best opinions as well as prospects pointed to the "nost call as the last," yet calls continued for years after! Who then shall calculate to a nicety? I have often heard capitalists say they would gialfy smbart 500£, or 1000£ in a mine if they could ensure not being called upon for more, and they have, therefore, advocated large subscribed capitals; but this would do away with the Cost-book Principle allows money to be growided only as it is required, generally two-monthly; and although every shareholder is individually liable for debts so incurred, he can at any time rid himself of responsibility by paying up his proportion of debts and relinquishing his share; and aithough it may be, and doubtless is, annoying to shareholders to be constantly duned for calls, they are necessary with in well conducted mines.

We often hear it remarked that many worthless schemes are advertised and launched on the market; just for the sake of premiums, and by such mines many parties are deceived, and become diagusted with mining operations. This is, doubtless, too true; and I refer to it just to say that parties embarking in such have only themselves to blame; as it is easy for anyode to test the truth of reports by getting an inspection made by a respectable and practical agent,. Bome persons, again, object to premiums at all, even on good concerns; but it appears to me that if a man who has spent half a life time in gaining mining experience,

1855 the mine paid its first dividend, and is now one of the richest in the district!

Until a week ago, although the public press had been for months laying bare the grossest systems of fraud and deception in commercial and banking circles, it was our pride and boast that not one single case of mismanagement, or misappropriation of funds, had been found in connection with mining operations; and it is with extreme regret that we are compelled, just as we had, as we considered, completed our labours for the year, to refer to circumstances, which have only just transpired in relation to certain mines, and which form the general topic of conversation. The mines referred to have been under the sole management of one individual, and are now said to be heavily in debt; while the shareholders, taking that individual's word for it, supposed that ample funds were in hand. We cannot, being ignorant of all the facts, enter into details, but must remark that the mines, owing to the management, have never been on the mining market, and never dealt in. And it is much to be feared that a class of persons have been led into them—by what means it is not for us now to enquire—who were ignorant of mining matters entirely, and now will receive a lesson that will induce them to donounce mining altogether. How often have we reminded shareholders that, under the Cost-book System, it is their duty to audit all accounts periodically, and not to pass them until vouched and found correct. There should, also, be finance committees to every mine; and where these precautions have been systematically neglected, the blame rests upon the companies rather than upon mining; which, if properly conducted, is as safe, if not safer, than any other form of speculation.

DIVIDEND MINES.

DIVIDEND MINES.

[I regret to say that the particulars of the progress and statistical accounts of several mines, particularly in the progressive list, have not reached me this year, although in several instances promised. Some pursers and managers, who are generally fore-ard enough in sending flourishing statements when they want public attention called to their mines, are not always so free in giving reports if they must be of a gloomy character; and, although I do not wish to insinate that they have this year been influenced by any such considerations, the public, perhaps, will draw their own inferences.]

Alphan Consols, this year, according to the Ticketing List, has sold 4505 tons of copper ore, realisting 33,8934. 12s., and has divided amongst the shareholders 12,5414., showing an increase of 38494, ever the profits of the previous year. Latterly, the dividends have failen off, and would have declined still further but for the discovery in November of a lode in the 150 fathem level, which improves the otherwise rather gloomy prospects for the datare.

Latterly, the dividends have fallen off, and would have declined still further but for the discovery in November of a lode in the 140 fathom level, which improves the otherwise rather gloomy prospects for the future.

Basser has returned 5746 tons of copper, realising 44,1844., and dividended 10,924., showing a falling off of 10,2404. in her profits. This mine, of late, has not been looking so well, but is generally expected to improve, there being a large quantity of unexpiored ground. The south part of the mine, which for some years has been worked at a loss of 1004, a month, has been separated, and in future will be worked as South Basset. This will relieve the cost of the old mine, and discoveries are hoped for to increase the dividends.

BULLER has returned 5590 tons, yielding 34,5924. 11s., and divided 10,2434., or 12,7944. less than last year. Latterly the prospects have improved; the lode in the 50, east of Kistler's shaft, which is about 490 (ms. from the eastern boundary, is improved in character to 2½ ft. wide, of black and yellow ore from 1 to 1½ tons per fm. In the 60 the lode was only 9 fost cast of Kistler's, the lode at the same time produced from 2 to 2½ tons per fm. In the 50 across-cut was driven north on the cross-centres in the 70, and intersected a naw lode, from 18 in, to 2 feet wide, producing from 2 to 2½ tons per fm. In the 50 across-cut was driven north in the cross-course, and another lode intersected.

BEDFORD UNITED has done better this year than the last, the returns of copper ore having been 2314 tons, yielding 15,1201. 10s., and profits divided 47001, against 25001, in 1856. The average number of persons employed is 85. During the year the different levels have been driven 209 fms.; shaft and winkes sunk 71 fms. The mine is in a good state of working, with every probability of its continuing to pay good dividends.

social vidends.

SCEAN is a tin mine, which has paid 21607. in dividends, against

BOSCEAN IS a Un mine, which has paid 2100s. In dividends, against 2830l, the previous year. Future profits must depend on the price of tin. The prospects of the mine are considered very favourable.

BOTALLACK has divided a profit this year of 5600L, or 28L per share. The returns are principally tin; and the purser not having taken the slighest notice of my application for the quantity sold, I am unable to give it, and may add that it is extremely difficult even for shareholders to get information about the mine or its

of my application for the quantity sold, I am unable to give it, and may add that it is extremely difficult even for aharcholders to get information about the mine or its management. This is much to be regretted, as, in consequence, it never holds a proper position in the market. The copper sold has been 985 tons, realising 11,4261. 19s. 6d. Since 1850 the dividends paid have been 43,0501.

Calstock Consolss.—Since the beginning of the year the engine has been completed, and the shaft sunk to 12 fms. under adit, and is now about 3 fathoms under that level, nearly 70 fms. from surface. The 12 eastward has been extended about 13 fathoms, 10 fms. of that driving through the course of ore found in sinking a winze in bottom of the adit. The lode in the 10 fms. driving has averaged 7 tons of good quality ore per fm., and the end is looking equally good. The lode in the adit going east is also improved, having a good leader of ore in the end. The agents speak strongly of the appearances and prospects, and altogether the mine is decidedly improved, and bids fair to be a valuable property. In October last a parcel of ore, from 90 to 100 tons, was sampled, and another of 100 tons is being got ready for sale: this will leave a good profit. The sales for the year amount to 11231. 4s. 3d. At the meeting held in Oct. the accounts showed a balance in favour of mine of 537. 6s.; this, with the Oct. ore for sale, after providing for the cost of that month, as well as Sept., in the estimated receipts and expenditure, left a considerable balance in hand, after making provision for a dividend of 2s. 6d. per share.

Cann Bilea did not pay in 1856, but this year has paid three dividends (the last being the 97th paid by the mine) of 22. each, amounting to 60001. The mine being one of the oldest in the county, the profits mainly depend upon the standard. Altogether, the profits divided have been 239,0002.

Collaconine is a young and promising mine, in the neighbourhood of Devon Great Councis, which entered the Dividend List this year by paying 45004, or 2f. 5s, per share. The returns of copper ore have been 1500 tons, realising 10,5100.5s. 4d. The camplings for the future will be every two months, which will effect a saving in the cost. A change has taken place in the prospects of this mine for the better, and a still greater improvement expected in the various levels now being driven.

Conduction which is a sold 1577 tons 13 cwts. 2 qrs. of copper cress, realising 1794f. 5s.; black tim, 118 tons 10 cwts. 1 qr. 17 lbs., 9068, 12s.; arsente, 12 tons, 24f.: total for the year, 15,52f.; and has paid in dividends 2500f., or 10f. per share, against 15f. per share, or 3840f., in 1856. The mine, upon the whole, is said not to be looking quite so well as it did; but with the reducion in labour and materials, it is expected a small profit will be made.

CRADDOCK Moon has sold 994\$ tons of copper this year, for 9981f., against 624 tons for 5620d. in 1850. Dividends from profits have been commenced, and fixely to be continued every two months, as nearly all the ends are productive, and opening good tribute ground. In West Caradon, adjoining, the ore is found 100 fms. deeper than the present bottom of Craddock Moor, making the prospects of this mine very good.

server pool.

Ownerstwirt Land Mirse, Cardigan, is divided into 128 shares, on whish 804, share has been paid, and is under the management of Mesers. J. Taylor with 805 shares has been paid, and is under the management of Mesers. J. Taylor with 804, share has been paid, and is under the management of Mesers. J. Taylor and form intersections, traversed by sides or cross joints. The returns at this time are 120 tons a found, and the principal workings and from larer server. The profit every two monits, with a prospect of an increase by way of bonus.

The DEVOUNDERS SHARE CONSOLIBLIZED MIRERS, or the "Great Wonder" of mining, spain in the year data of at the best of the lift, and have increased their dividual and the state of the paid of the profit every two monits, with a prospect of an increase by way of bonus.

The DEVOUNDERS SHARE CONSOLIBLIZED MIRERS, or the "Great Wonder" of mining, spain it is year stand at the best of the lift, and have increased their dividual research of the paid of the paid of the profit in the state of the paid of the pa

Baset; who inspected this mine on Dec. 13, Museu. I muse say, to opened, the largest quantity of ore is discovered that I have seen in any mine for several years."

Ghambler AND St. Auryn has sold during the year 309 tons, yielding 67401. 11s., and has divided 14581. This is one of the progressive mines I stated last year would pay in this. Within the last month or two the nine has much improved. The lode at Williams's shaft is worth 301, per fm., staking below the 24; the 24, east of this shaft, is worth 201, per fm.; the 36 east, going towards Williams's, 151, to 181, per fm. As the 24 has gene over a long course of rich ore ground, the 36 now reaching it, and becoming also rich, is a most favourable feature.

Heropsproot Lead Mines sold this year 512 tons, realising 84831, 10s, 2d., and commenced dividends again in Sept., when 5124, were divided. During the year the mine has been opening out well, making regular returns of 40 tons per month, and increasing the reserves. At present the mine is in a better position than it has been for many years. The returns of ore will be increased, and if lead keeps at its present price regular dividends, larger in amount than the last, will be paid.

LIBBURKE LEAD MINES are in Cardigan, and under the management of Messer, J. Taylor and Sons. The returns are about 200 tons of ore per month. The mines in this sett are—Frongoch, the most productive and profitable, which is 78 fms. deep; East Logylas; and Glogvaci, in which a very good discovery has lately been made in the 78, worth 2 tons of ore per fm. This concern has, during the last 20 years, made upwards of 120,000. profit, and the prospects for the future are very good. The dividend is 34, per share every two months, but the profits during the year have exceeded this amount.

exceeded this amount.

MARY ANN has sold 1597 tens 4 cwts. 2 qrs. of rich silver-lead ore for 35,863l. 12s. 5d., and divided 8960ls, or 8l. 15s. per share profit, the cost of working being close upon 2000l. per month. Pollard's shaft is down to the 150 fm. level, the deepest point. In the 140 the lode looks well, and favourable for the 150. Clyme's shaft is down to the 95 fm. level. The stopes and pitches throughout the mine are producing the same as usual, and it is to be hoped that the dividends will be kept up to 21 per share.

producing the same as usual, and it is to be hoped that the divinents will be septing to 2L per share.

MENDIP HILLS has divided this year 1250L, the same as in 1856. The principal operations of the company are smelting siag, or refuse lead, found in the Mendip Hills, Somersetabire.

MINERA LEAD MINES are some of the most extensive in North Wales, and have yielded immense quantifies of ore for agree past. They are situate not far from the town of Wrexham, at the base of a bold mountain of limestone, and the main vein is supposed to form a fasit, or division, between the mountain limestone, on the south, and the soal measures, which abut upon or overlap this limestone on the north side. The veins run back north-westward into the limestone, which is fall

of subterranean caverns or awallows. These mines were commenced to be reopened by the present company about aware or eight years ago, and are now very productive. In a former working the produce was about 5000 tons per annum. This concern is now divided into 1500 shares, of 25t, each, under the management of Mr. J. Taylor, Jun. The present produce is about 250 tons of lead for per month, and 100 tons of blende, and the profit about 25,000t. a year. The produce will be much increased in the course of another year or two, when the mines are fully open.

NORTH BASSET has sold 3966 tons of copper, realising 33, 1952. Sa., and its 2501. 14s. 9d. against 35,031f. 10s. 6d. in 1856, and the dividends this year have been 15,3001., or 2f. 11s. per share, against 28,380f. last year. Early in the year the mine made large returns, which suddenly fell off, and it then appeared the reserves had been considerably over-estimated by the agent, and great disstiffaction arose among the shareholders. The mose is situated in the richest district in the world, and has so many points to come off, that we hope another 12 months may put the mine into their position.

PAR CONSOLS has sold this year 4197 tons of copper ore, realising the sum of 44,519. 18s. 6d., and 263 tons of the fer 21,341f. 3s. 1d. In addition to this 120 tons of tin have been stocked, owing to the low price, and there is some talk of the company smelting their own tin over. The dividends have been 27,590s. against 18,200f. in 1850. The mine is a very rich one, but as a large proportion of its returns is from its, the amonat of fature dividends will in a great measure depend upon the price of that metal.

Progravary has sold 5170 tons of copper ore, realising 30,002f. 2s. 6d., and

18,200. La 168. Then mine is a very tish one, but an increasors of some that the amount of fixture dividends will in a great measure deput upon the price of that metal. A second of the control of the price of that metal. A second of the control o

been driven upon in the sair for a consucration drawn, and an array in an analysis to a 204, to 304, per fm. It has also been cut in the 60, and is being driven upon in this and an intermediate level, as a communication has just been made with the adit level for ventitation. Cross-ceuts towards this lode are also being driven in the 100 and 160 fm. levels from the old mine. Some very good ore ground has lately been laid open on a lode in the eastern part of the sett.

Wheal Jank has sold since January 4250 tonsof mundic, 37854, 5s. 6d.;

tin, 27433. 12s. 3d.; silver, mundie, and gossans, 186 tone 18 owts. 2 qrs., 8437. 5s. 6d.; areenic, 2001. 12s. 2d., and has divided 20437. The machinery on the mine consists of a 50-in. pumping-engine and a 40-in., now in course of erection in the north part of the sett; and, in reference to the future, contracts have been entered into for the mundies, at the same prices as formerly.

the sett; and, in reference to the future, contracts have been entered into for the mundies, at the same prices as formerly.

WHEAL KITTY (St. Agnes) has declared two dividends of 3s. per share. The mine did not look so well in the bottom some three or four months back, and the great fall in tin has stopped all notion of dividend, though in sisking the shafts the lode is large, and worth from 201, to 25t, per fm. During the last quarter they have raised from 14 to 15 tons of tin per month, and about 3004, worth of copper; and though tin has dropped from 801, to just upon 501, per ton, it has more than paid cost. The present manager is opening out a large quantity of new ground, and the present shafts and ends in course of working show a total value of about 1201, per fm. Should tin have a rise of 101, a ton the mine will resume divided.

WHEAL KITTY (Lelant) has divided this year 28164, against 22744, in 1836. The returns of in have not resched me, but, owing to the fall in price, no dividend was declared at the last meeting.

WHEAL MAROARET TIN MINE has sold 278 tons 19 cwts. 3 crs. 16 lbs., realising 16,7334, 11s. 2d., and divided 67301, profit, or 151, per share. The mine has looked well throughout the year, sad said to be still looking as well as ever, but, as in all other tin selines, fatter profits will be seriously affected, and the amount of dividends for 1509 uncertain.

[•] The private and confidential sgent in Cornwall of Messrs. Watson and Cuell, 1, St. Michael's-alisy, Cornhill, London, will, having their permission to do so, inspect and report upon any mine, new or old, for a fee of 24.2s., and his travelling expenses. Parities can thus obtain the best practical opinion before partiag with their money.

ray.

o Wicklow Copper Mines have divided this year 17. 12s. 6d. per
or 81257. The mines, both for copper and sulphur, were never in a more prosecondition, and it is fully anticipated that large dividends will be paid in 1856.

PROGRESSIVE MINES.

PROGRESSIVE MINES.

ANGARRACK CONSOLS.—A 42-inch engine is in course of erection; the shaft has been holed to the adit, and sinking will be commenced below it. The prospects are considered encouraging.

BALLYMONERN (county of Wicklow) was commenced about four years ago, by bringing up a deep adit from the side of the mountain, in order to cut the lodes of the Wicklow sulphur and copper district, and also to unwater some old workings by a former company. That has been effected, and an enginc-shaft such to the adit, and 15 fathoms below it, making about 35 fathoms in all. At the adit level the lodes were found large and productive, and particularly the great salphur lode 170 feet wide), which contained a large quantity of iron pyrites; but at this level a small quantity of it only was rich enough to must the requirements of the sulphuric asid manufacturers; and it was considered by those having the management that depth only was necessary to find the ore more concentrated and solid. Recently, the 15 fm. level erosa-cut north has intersected the lode, which is found richer in the quality of the over them at the adit; and in opening east and west on its course it is found continuous, abundant, and valuable. During 1858, the sales of sulphur ore will be containt and requiar; and the company having erected an excellent engine for pumping and winding, they are in a position to carry on the mine with spirit and efficiency.

Balmoon.—Nothing rich has been discovered here this year. About

found continuous, abundant, and valuable. During 1888, the sales of sulphur ore will be constant and regular; and the company having erected an excellent engine for pumping and winding, they are in a position to carry on the mine with spirit and efficiency.

Balmoon.—Nothing rich has been discovered here this year. About six months ago a shoot of tin was discovered going north from the main lode; and as the sett contains carbonas, many of which have been very productive, it was expected this would have made a rich deposit, and on that supposition shares suddenly rose to 84. sach, but soon dropped, the lode not proving rich. A good chance still exists in cutting Recth Consols lodes. The shaft is in unsettled ground, but getting into better strata. The earbona on flat-rod part is also being well tried, as there are everal good objects there, and a prize may yet be found.

Basent Consols, in Illogan, adjoins Tywarmhaile, and has been put to work lately, with excellent prospects. The adit level is 40 fcms. from surface, and is driven a considerable distance on a lead lode passing through several coper lodes, on which nothing has yet been done in this mine; and there are 100 fcms. of unexplored ground southward, traversed by several lodes. In driving sooth in the 30, on the lead lode, a new lode was intersected from 2 to 3 ft. wide, ontaining branches of jack, and a leader of copper ore of good quality, 4 in wide; this lode will room be intersected in the 40 or deep adit. The copper lodes run east and west, and underlie north 8 feet in a fathom, traversing a channel of neglialecous late; and in driving upon them 30 or 40 fcms. west of the lead lode it is expected the great county cross-course will be met with, and against it parallel lodes have been found productive. Wheal Sparrow has been secared by the present company, and as soon as the water is drawn out of Tywarnhalie this part of the property will be drained to a good depth, and large quantities of ore are expected to be raised here. Altogether the mine is a f

of the best young speculations of the eastern district.

Boddot (Wales) is down 10 fms. below the adit level. The 10 is extended west under the valley about 30 fms., on a large lode, composed of spar, carbonate of lime, and lead, and is of sufficient consequence to induce the adventurers without delay to sink the shaft to a lower level; and reasonable expectations are formed as to the productiveness of this lode at the 20. There is a large 40-ft, wheel erected, 5 ft. 3 in. breast, with a large stream of water at all escaons, and is of ample power to sink the mine to the 30. The leadstuff already raised will not be dressed before a crusher is put up. From recent inspections, and general opinion in the neighbourhood, this mine is considered a good speculation.

Boiling Well (Hayle) has during the year sampled upwards of 8690/. worth of ore; no call has been made, but a considerable amount of liabilities have been cleared off, leaving a balance in favour of the adventurers. A new sett near the sastern boundary has been obtained, and it is purposed putting up another pumping-angine in the eastern ground, which will enable them to sink the present sump to the 136 fm. level, now down only to the 60. The eastern ground is turning out upwards of 15 tons of rich eliver-lead ore per month.

Boscundle has been selling good quantities of tin; Sept. and October, 35 tons 19 cwts., bringing 4112/. 5s. 1d., and leaving a profit to end of August of 411/. 13s. 9d. The bottom of the 70 fm. level, at Anna Maria shalt, is worth 18/. per fm. The north lodes, and other parts, are looking promising.

Bortle Hill. — This mine resumed working about October last year, on a small scale, principally on tribute, and has since sold 26 tons 17 cwts. 3 qrs. 15 iberef tin for 23040, 3s. 7d.; and on the floors are now from 16 to 18 tons being prepared for market. The stamping machinery (driven by water) is being increased preparatory to an extension of operations, not only on the present plan of working, but in exploring some of the parallel lod

rewarded.

Calvadnack is in Wendron, and a very promising tin mine. The shaft
now sinking below the 60, with levels extended and winzes opened. The mine is
ported equal to 6 or 7 tons of black tin a month, which, at a fair price, would more
an meet the current cost. A cross-out is being driven in the 30, to intersect some
des north, one of which is now within a fathom or two. Black tin sold, 47 tons,

33631.

lodes north, one of which is now within a fathom or two. Black tin sold, 47 tons, for 35921.

CAMBGENE CONSOLS has sold 182 tons 14 cwts. of copper for 15011.0s.7d., and has not progressed so fast as was expected. The 50 is being driven east of Gon's-cross-cut, lode small. The 20, west of Tindsil's, contains stones of ore. The pitches in back of the 20 and the 10 are turning out pretty well.

CARN VIVIAN is said to be poor.

CARMARTHEN UNITED MINES (near Newcastle Emlyn).—The engine-shaft has been sunk 7 fms, below the adit of 9 fms., and about 6 tons of good lead or raised. Operations commenced on Feb. 9, and on the same day in 1838 the first sampling is to be made. A 24-feet wheel is to go to work this month, when the manager hopes to raise sufficient lead to meet the costs. Altogether, about 10001, has been expended.

CASTELL is a lead and blende mine, in Cardiganshire, of promise, and registered under the Limited Liability Act, in 11, shares, 13s. 6d. expended. The principal operations this year have been exceing wheel and crusher, making leate and water-courses, and preparing the blende for market, the first parcel (25 tons) having been sold in Nov., at 34.15s. per ton. It is as a lead mine, however, that it must ultimately be regarded, the richest lead mines in the district having had blende in the basks of the lodes, in the same way as Castell, and until courses of lead are reached the blende may help to pay the cost of working. The cost is about 504, per month, so that shoul is tons of blende would meet it; but more extended operations will be necessary to prove the mine for lead. The general appearance of the lode, which is 30 feet wide, are such as to lead to the expectation that it will produce in depth large quantities of lead and blende. About 160 fms. east of the blende which has a safe or the lode, which is also very large, and impregnated with copper ore, lead ore, and blende, of an encouraging appearance.

aging appearance.

EYN CWM BRWYNO LEAD MINE is under the management of Messrs.

Eaglor and Sons; it is a promising mine, and now making some profit, which
expected will be increased before long. The lode has just been cut in the 80 fm., and as there appears to be no jack or blende in it, it is hoped that it will prove
from that mineral, which so much deteriorated the produce of the lode in the
labove. The produce of the last twelve months has been about 400 tons of lead
value about 67001.

free from that mineral, which so much deteriorated the produce of the lode in the level above. The produce of the last twelve months has been about 400 tons of lead ore, value about 67003.

CLIJAH AND WENTWORTH has sold this year copper ore to the value of 28731. Is. Sd. The mine has been very extensively laid open, and was commenced by the present company from the surface, and consequently considerable time and outlay of capital have been required to develope it. The most important points now in progress are driving cross-cuts north and south of the engine-shaft, 50 fms. below the add tevel, to intersect the several lodes (six in number) seen above. The Wentworth lode, now being driven on in the 70, has greatly improved of late, being 4 feet wide, yielding good work in grey and yellow copper ors, and is presenting all those favourable indications generally met with in rich mines, and the forerunner of great deposits of ore; in about a week or so this lode will be seen in the 80 fm. level. By a little further perseverance this company stands the fairest chance of being well rewarded for their patience and outlay.

COON'S KITCHENN has sold tin to the value, this year, of 79321. 15s. 5d.; copper ore, 1994. 15s. 6d. Adjoining Dolcoath this mine has excellent prospects; though its depth, and the low price of tin, must affect its returns just now.

CUPPLD—The north engine—shaft is down to the 54 fm. level, with levels extended east and west. In the adit the lode was remarkable for its beautiful gossan, and below it occasional small bunches of rich ore have been met with; it is hoped another level in depth will meet with a good improvement in the lode.

CWM EMPIN SILVER-LEAD MINE is situated in the parish of Llambadarnfawn, in Cardiganshire. It is divided into 1600 shares, on which 7i. 10s. a share has been paid, and is under the management of Mesers. John Taylor and Sons. During the last year, a more powerful water-wheel has been erected, and larger pitwork flaced, so that the mine 30 or 40 fms. deeper, if found nec

have been sold for 23301., and another parcel is ready for sampling. The shaft has been sunk to the 10, on a good lede, and new levels are about to be driven in ore ground at once. There is stated to be a run of ore ground 80 fms. long in the bottom of the 60; and the 60 cast and west are worth 5 to 6 swts. per fm. The stopes and pitches continue productive. The mine adjoins East Daren and Cwm Erdn, the former of which has made a profit of 60001. to 70001, in the past year, and the latter having greatly improved latoly, and it is said will sample 60 tons for the past month. By the end of 1835, Cwm Sebon will probably be making good profits.

DEWON AND COURTENAY.—During the early part of the year but little was done in exploring, but in May the adventurers decided on going deeper, which should have been done earlier. The shaft is being sunk to the 100 fm. level from the 81, and is now about 5 fm. below the 80; there is every snoonargement, as the lode, which was rich in the 80, and on which a winne was sunk shout 10 fms. in the bottom of the 80, is very good there, worth from 2 to 3 tons of ore per fm. A water-wheel keeps the mine dry, and there is an engine for drawing and crushing, so that when the lode is opened on in the 100 there will be nothing wanted to carry on the operations efficiently. The sale during this year amount to above 14001, principally from tributers. The side lodes in this sett should be seen, and can be easily commanded by cross-cuts from the 80.

DEWON BURIAL BURIA has been progressing, and a discovery is daily expected in the 40 cast, at Whita's shaft, from which fine stones of grey ore were raised before the water increased so much as to overpower the works. The water is now nearly in fork.

DEWON GREAT ELIZABETH is a new discovery, situated in the parish of Widdicombe, near the River Dart. Operations were commenced in Ostober last, by an open catting 10 ft. deep, from which some very rich ores (20 tons) have been raised, a shaft has been commenced about 94 fms. from the present point o

orth of ore.

DEVIOUR WOOD is on the same lode as Wheal Glynn, and is considered

out—in unsettled ground; but as it is driven upon, and gets under the productive ground in the 10, west of western shaft, worked by two men, at 11s. in 14, yielded 1904, worth of one.

Daviock Wood is on the same lode as Wheal Glynn, and is considered to be an excellent speculation; but whilst the adventurers are among the wealthlest to be an excellent speculation; but whilst the adventurers are among the wealthlest to be an excellent speculation; but whilst the adventurers are among the wealthlest of the spirit of adventure in them; for the works have this year been supended, when a moderate outlay might make the mine remunerative.

Doluwn (Walee).—A line of rods has been erected for the purpose of pumping the water and sinking the engine-shaft to the 20, the present depth being 13 fms. The object in view is to get under a bunch of lead or several fathoms in longth, seen about 7 fms. to the east of this shaft at a shallow level; in proving this the expense will not be much, and it is generally considered that large quantities of lead will be found. Should this be the case, an adit cross-out can be brought in extrem of water, and every requisite to work the mine effectually.

DUER OF CORNWALL returns a good quantity of ore, and the company have been led to expect dividends. The ore, however, is of such a low produce that calls have had to be made to continue operations. In the 12 months copper orse to the value of 726421, its. 3cd, have been sold, and 137 persons employed.

EAST ALPRED CONSOLS has sold copper orse to the value of 26431, 6a, 2d, this year. This has been raised from an adit 13 fms. from surface. The shaft is down to the 15 fm. level; and when the wince is down to it, the operations will be extrict on with greater facility, and get under the ore ground one over in the adit. The winze produces fine atoms of copper over. There is another south lode seen in the adit, 5th. wide producing in a get and of the following the control of the contro

formed at a deeper level. The 40 cross-cut, south of engine-shaft, has been driven about 8 fms., and there are about 15 fms. more to drive to cut a lode which promised well in the adlt.

EAST CARN Brue is situate in the Redruth district, and joins Wheal Union, which is directly north of it. The present company commenced working it in February last, and have laid out 2004. 4s. 2d—the principal operations having been in clearing levels 570 fms. and cross-cute 230 fms. There are seven lodes in the sett, within a short distance of each other, all underlying north, and of a promising appearance; these can be laid open by cross-cute 170 fm. level, and a cross-cute xtended south 5 fms., where a branch was intersected, and must fail in with the main lode in a few fathoms sinking. With this number of lodes in the sett, and the favourable nature of the ground, the mine is looked upon as a good speculation.

EAST FRONGOCH.—The shaft is sunk to the 30, and two lodes cut. The morth lode is a very large one; several fathoms have been opened on it, but as yet nothing worthy of remark has been found. The south lode has been driven on east between 30 and 40 fms., and for a great many fathoms has shown highly promising features for producing lead; and although the stuff raised has not been rich, it is of sufficient promise to recommend the shaft to be sunk to the 40. A great portion of the work is already accomplished, and a few months, no doubt, will enable them to see the lode at this level, where it is expected to be a good one.

EAST GUNNIS LAKE AND SOUTH BEDFORD CONSOLS has hitherto disappointed the expectations of the adventurers. The prospects are, however, such as give every encouragement for further development. The mine is well situated, and the geological conditions are highly favourable. The returns for the past year are 465 tons of ore; amount of money, 15021.8s. 11d.; cost, including does, 3843./2s.7d.; average number of men employed underground, 53; and at surface, including boys and girls, 35. The latest report s

East MARGARET has sold \$1 tons 12 cwts. 26 lbs. of tin for 56991. 17s. 10d., and called up 10241, and the mine is not in a position to pay its way with the present price of tin. In 1854, the mine paid a small dividend of 2504, and expectations were then held out that continuous profits would be made. The subsequent career of the mine, therefore, has been very disheattening to the shareholders.

East PROVIDENCE is in Lelant, to the east of, and on the same lodes as, the Providence Mines. The operations have been driving a deep adit from the sea shore west on Providence north lode, which is 1½ ft. wide, producing rich stones of tin, and worth 8/, per fm.—driving at 43s. This end has occasionally produced good work, but is considered too shallow for much good, and a flat-rod shaft has been commenced upon it about 20 fms. before the end, now 2 fms. deep, and lode producing tin. An adit also driving south on Providence cross lode, where also good tinstaff is found; the present end is reported worth 61. per fm. Both these lodes have been productive in Providence, but the main object of East Providence is the south lode, which has been worked by the ancients for a great length in the sett, and as deep as they could go for the water, about 8 fms. from surface. An engine has been purchased, and is to be put ups to see on this lode. Altogether the prospects of this mine are considered good.

Rast Rosswaanne (Gwinear).—The engine-shaft has just passed through

are considered good.

RAST ROSEWARNE (Gwinear).—The engine-shaft has just passed through

Tolgus; it is divided into 256 shares, on which 47l, per share has been paid, and is under the management of Messra. John Taylor and sons. A steam-engine, of 36-in. oylinder, has been erected, and the works in full operation. The engine is placed on the engine-shaft of the Old Reduth Consols Mins, which is now 45 fathoris deep.

The 12, 22, and 34 fm. levels ore being driven through a promising lode, producing at times good banches of ore; and when the eastern shaft is cut down, so as to get on well with the levels, good discoveries are expected in this promising esseers.

EAST WHEAL RUSERLL.—Much has been said about this mine in the last

EAST WHEAL RUSSILL.—Much has been said about this mine in the last fow years, and we hope the recent inprovements regorated will prove more permanent and substantial than the previous ones, and that in the coming year we shall have facts to support the opinions of those who have so strongly sacked the mine. At present, there is every prospect of our being able to congratulate the shareholders before long on the success of their perseverance through "good and evil report." In November, 37 tons of opper ore were sold for 430%, being an average of nearly 12%, per ton, noiwithstanding the low standard; and upwards of 45 tons are again sampled, which, it is said, will fetch a still higher price. The lode improves in each level as they go deeper, and in the 66 has passed through a course of ore worth an average 2½ tons of ore per fun, for 35 to 46 ms. in length, being best along the bottom of the level. There are eight men driving the 38, which in a few months will be under this ore ground. The shaft is sunk 100 fms. In 1857, 95 tons of copper ore were sold for 835%.

Fourtescure, near Bodmin, in 1855 and last year yielded 14806. 11s. 10d.

this ore ground. The shaft is suak 100 fms. In 1857, 95 tons of copper ore were sold for 8857.

FORTESCUE, near Bodmin, in 1855 and last year yielded 1480f. 11s. 10d, worth of silver 8 fms. from the surface, and two dividends were declared—208. 10s. in the former year, and 375f. in the latter. The lode then made a piloe, and led to the suspension of operations until September last, since which the shaft has been sunk 8 fms., and with four men at work about 50f. worth of stuff raised. In the bottom of the shaft the lode contains silver ore, and the works are progressing favourably. Frank Milles has not done so well during the year as was expected: however, the mine has yielded in this time 303 tons 18 cwts. 3 grs. of lead, realising 3711f. 4s. 7d., in one looking better, and will increase its returns.

Garries has been progressing very slowly during the year; but a few weeks since the cross-cut, which had been many months driving towards the lods, intersected it—of a promising character, and from which the agent anticipates good results. A few years since the mine made good returns, and was considered a first-rate speculation; but, like too many other mines in the district, the ore proved shallow. If met with at the present place of operations, and to which the engine was removed at great expense.

If met with at the present place of operations, and to which the engine was removed at great expense

Gawron Copper has sold during this year upwards of 1500L worth of ore, against a monthly cost of 160L to 260L. In the 38 west there is a good lode, reported 8 ft. wide, worth 9L to 10L per fm., and promising for improvement. The water-power is sufficient to put the smise down 50 fms.

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General 8 ft. wide, worth 9L to 10L per fm., and promising for improvement. The water-power is sufficient to put the smise down 50 fms.

General 8 ft. wide, worth 9L per fm.; but in depth the lode did not look so well, and from arrears of calls and other circumstances the work were suspended. Of late, however, a project for resussitating the concern has been set on food, and it is to be hoped see long the mine will be in full operation again.

GOGINAN SILVER-LEAD (Cardiganshire) is under the management of Massrs. John Taylor and Sons. The original capital subscribed was 500L, on which the mine made a profit of 45,000L from one lode, which has been worked 120 fms. deep. This lode became poor in the bottom, and 11,50L, was subscribed uning the last two or three years, to carry out extensive operations to try two other large lodes, towards which cross-cuts are being driven, opposite to the productive part of the old lode, and it is expected they will shortly be cut, and proved more than 100 fms. from the top of the hill; and good discoveries are anticipated. Good prospects are also apparent the western part of the mine, where a level is being carried forward into the dip of the ore ground from Switch Consols old mine, which level will be more than 100 fms. from the top of the hill; and good discoveries are anticipated. Good prospects are also apparent the western part of the mine, where a level is being carried forward into the dip of the over mine of the Goginan Company. Orginan Mine is abundantly

in the event of either of the trials now in progress proving succession, as any sessionably expected.

Gonomena has sold in 1857, 865 tons for 6999!., against 780!. tons and 6889!. In 1856. Most of the ore has been broken from ground previously laid open; the ends driving east towards the boundary cross-course, which has not yet been reached, having been poor, as well as the western levels, excepting that one of the latter, the 48, which is the furthest west, has latterly become productive, and it is hoped is effering a new channel of ore ground. Some ore has also been discovered in the south part of the mine, adjoining West Caradon. Shares have fallen considerably in price, from a fear jest discoveries of ore should not be made in time to prevent a call becoming needful. At the last meeting, Nov. 5, there was a balance in favour of the adventurers of 86! 2s. 4d.

Gunar Caradon and Slade is a promising young mine, to the east of

ably in price, from a fear lest discoveries of ore should not be made in time to prevent a call becoming meedfal. At the last meeting, Nov. 5, there was a balance in favour of the adventurers of 861, 2s. 4d.

GRBAT CARADON AND SLADE is a promising young mine, to the east of South Caradon, and worked under the Limited Liability Act. It is supposed that some of the lodes of South Caradon pass through this property, and upon one an adit has been driven 30 fms.; it is 5 feet wide, with a leader of mundle, and spotted with yellow copper ore.

GREAT CONSOLIDATED MINES.—These, the largest mines in Cornwall, perhaps in the world, with nearly 70 miles of levels underground, have been stopped during this year, owing to the conomous cost of working Consols above the 140, and it is thought by some that this may lead to the reworking Consols above the 140, where it is known great quantities of tin can be raised from the black lode. Under different workings, the Great-Consols have made about 1,000,000f. sterring profit.

GREAT ONSLOW CONSOLS.—A cross-cut is driving to intersect the lode in the 110 fm. level, and hopes are entertained of meeting with success.

GREAT WEST SORTRIDGE is to the north-east of Sortridge Consols, and 25051, 12s. 10d, has been laid out upon it this year. The engine-shaft has been and side, someous of cappel, quarts, mundic, and a little ore. The 50 is to be extended west to intersect the cross-course, about 12 fathoms ahead, and here the lode, judging 12,5731. Its. 1d., and has called for 6400f. At this time laxy year prospects were held out of an early dividend, and shares rose to 13f. each. An accident, however, happened to the machinery, which for some time flooded the mine, delayed the works, and cost the company upwards of 5000f. Of late the mine has been yielding fair quantities of copper, and improving in the bottom levels, so that it is hoped and expected it will do better in 1838.

GREAT WHEAL BADDERN has sold 272 tons 18 cwts. 3 qrs. of leads incogened to a profit.

GREAT WHEAL BADDERN has

soon as the 61 and has entered the productive part of the civan, good ore ground with be opened to a profit.

GREAT WHEAL BUSY this year has called up 2l. per share, or 1200l., and has sold ore to the value of 5280l., all from levels above the 60. This amount, in addition to the calls, has been spent in thoroughly draining and developing the mine. The shafts and levels have been cleared up, and the returns will doubtless be considerably increased.

derably increased.

Grant Wheal Vor has made calls this year to the extent of 1/. 2s. 6d. per share on 28,666 shares. The fall in tin is of serious consequence to the company, but they deserve great credit for the spirited manner in which they go on. Such calls as 30,00f. in one year would have disheartened almost any other company. The mine is in fork to the 240, and the company are determined to see the bottom (the 280), where the ore is reported to be 100 fms. long. The tin sales amount to nearly 3000/. a month.

Hinoston Down has returned this year 1492 tons of copper ore, realis-ing 9923. 11s. 6d., but has not divided any profit. In 1856 the dividends were 39001., and, from the late improvements in the mine, it is hoped that before many months it may not wash.

ing 9933, 11s. 6d., but has not divided any profit. In 1856 the dividends were 39001., and, from the late improvements in the mine, it is hoped that before many months it may pay again.

HOLMBUSH has sold copper and lead ores to the value of 10,3461, this year, and made calls to the extent of 2856. The mine is at the junction of killas and granite, and for many years worked at a large profit. Two or three years ago however, the stoppage of the Callington Minese, which had made enormous returns of lead, and had several engines pumping, inundated Holmbush with water, and made increasery for the company to expend a large sum of money to clear the mine of water, and we hope they are now about to reap the benefit of their expenditure, patience, and perseverance. The locks are good in the 145 west, on the main lode, in the 160 east (where a long run of ore ground is gone through), and in the 160 west, which is progressing through an exceedingly rich course of ore. In driving the flap-jack lode in the 145 it is expected that the rich ore gone through in the level above will soon be reached, and this is an important point. The reserves of copper are valued at 16,000. From the lead lode considerable returns have been made, and good ore ground isid open. A rich part is soon expected to be mot with here.

Kelly Bray (Callington) has rather disappointed expectation—it was supposed by many that it would have been on the Dividend List in the past year. The lode in the 100, however, did not prove equal to the run of ore in the 90. They have recently made a good discovery in one of the shallow levels, and have passed through a bunch of ore 20 fms. long, worth on an average 134. to 20. per fm.; they have like wise a new mine opening out at the eastern part of the sett, which is considered by the adventurers a good speculation.

Keswick (Cumberland) have returned 301 tons of lead ores, yielding 1993/. 4s. 9d., since Jan., and the cost during the same period has been 4064. From the adventurers a good open out ore ground; and in t

speed, so as to open out ore ground; and in the ensuing summer the agent calculates on making profits.

Lady Bertha, during the present year, has sold 613 tons of copper ore and mundle, in addition to which 60 tons of copper ore will be sold at the end of this month. During the year the engine-shaft has been sunk to a 30 fathous level, and a cross-out extended to the lode, which is found to be 11 ft. wide, and very promising in appearance. Levels are being driven east and west on its course, and there is little doubt but that the same shoot of ore which has gone down in the bottom of the 20 will soon be met with. This is more than probable, as Robins's wince is down 6 fas, under the 20, with a good branch of very rich ore in the bottom. In the 20, the lode has been driven on east and west; the western end has produced from 3 to 5 tons of good ore per fm., at present worth 20t, per fm.; the eastern end has produced 2 to 3 tons of rich ore per fathom, and although now disordered by a cross head, we may fairly calculate on a renewal of its productiveness in a few fathoms driving, as in that district these fessures are found to make ore on the opposite side. Altogether the prospects of the mine are good, and should it continue to open out as it has done for some time past there is little doubt of it returning profits before the close of 1835.

LLANDUDNO MINE has been worked with spirit during the year. In April last fresh capital was raised to the extent of 20001, to proceeded with, and the indications are sufficiently favourable to lead us to believe that ore will be found when the lode is reached. By the last statement of accounts to the end of 0ct, 15001, and the amount in hand of unexpended capital, and the returns for the 10 months, and ing same period, realised 35611, 78, 11d.

MILL POOL has sold this year 61 tons 0 cwt, 1 qr. 11 lbs., for 46261, 158, 8d., the last capter's time the order of the process of the sense of the productive been sold. Early in the year a serious breakage oc-

the amount in hand of unexpended espital, and the returns for the deciding same period, realised 3541. 7s. 11d.

MILL POOL has sold this year of I tons 0 cwt. 1 qr. 11 lbs., for 46261.15a.8d., the last quarter's tin not having been sold. Early in the year a serious breakage occurred to the machinery, which impeded operations. The last quarter made a small profit, but owing the fall in tin the next will not show such good results. Taken on the whole, the prospects underground are better than they ever were before. In the 32 pitches are set in the back at 3s. 1d., and 3s. 1ld. in 11, which is the despect point on Harvey's lode: the tin ground gone through in this level is 56 fathoms in length. Celense lode is down to the 80, and opening out good tribute ground. The company,

cointly with St. Aubyn and Grylls, Wheal Grylls, and Greenbury Moor, are bringing up a deep adit, which will unwater the lodes, and leave 40 fathoms of back to work without the sid of any machinery; the lode in the south part of the mine, which this adit will intersect, has need 12 fathoms from surface, 4 ft. wide, and from it tin valued at 5004, has been raised, and now five men are employed on tribute at 10s. in valued at 5004, has been raised, and now five men are employed on tribute at 10s. in valued at 5004, has been raised, and now five men are employed in the act, which when accomplished the returns will, in all probability, be increased. The aim cost is easy, and 84 persons employed. There is a 50-in. cylinder engine and steam-stamps with 34 heads at work. In addition to the sales, about \$\sigma_0\$ tons of tin are being raised monthly.

MARKE VALLEN MINE has returned about 5004, worth of ore during the year, and the directors have been raising money by new shares. The confidence in the ultimate success of the mine is very great. On Rose Down lode a course of ore nearly 90 fms. in length has been gone over, and from this driving, and two stopes in the back, 12,0001, worth of ore has been sold. The western end is now worth 1% ton per fm. The grand object is now to get the 50 fm. level towards the long run of ore gone through in the 80.

MERLLYN has sold 137 tons of lead, realising 19384. 7s. 10d., this year,

of ore gone through in the 30.

MRILLYN has sold 137 tons of lead, realising 1938. 7s. 10d., this year, and worked at a considerable loss. The old mine has been stopped, so as to reduce the expenditure as much as possible, and operations are being carried on to prove a very promising ides in another part of the set. The district is full of lead and the discovery of a good deposit would occasion no surprise, and make the company alive again. The old Meritlyn lode, down to the 46 fm. level, yielded the company lead to the value of near 50,000.

Molland Mine.—A small engine has been erected for the purpose of developing the mine in depth, as from the opinion of disinterested agents, and from the large quantity of ore taken away from above the 20, good results are anticipated when the next level is reached.

Note the contract of the purpose of the purpose of developing the mine in the large quantity of ore taken away from above the 20, good results are anticipated when the next level is reached.

the large quantity of ore taken away from above the 20, good results are anticipated when the next level is reached.

NANTEGS AND PENRHIW have much improved during the year. In March the deep adit was communicated to Bwieh Gwyn shaft, and is of the greatest value to the development of the mines. At the beginning of this year the returns were 20 tons of lead ore per month; they are now 30 tons, with the prospect of a further increase soon. At the meeting, in Nov., the accounts showed a nett profit for three months of 2401. In the past year 264 tons of lead ore have been sold for 3917. 3s. 1d.,

NEW TRELEIGH CONSOLS MINES (Redruth), with the machinery, &c., were purchased at public auction, in May last, by a committee of the old shareholders, and operations were resumed soon afterwards. by sinking the shaft below the 50, and driving the 50 and 40 fathom levels east and west, in the former of which a good lode has recently been met with, producing 5 tons of ore per fm. In the 40 west the great cross-course, he was a second to be a second of the contract the lode, from which around be results may be anticipated, as Wheal Mary, under the management, of Captain Teague, produced most of its riches immediately to the west of this gross-course.

NINNIS (Wendron), near Wheal Lovel, has been put to work by some parties, who have created a water-wheel and sunk the shaft 10 fms. deeper than the yielding good saving working for tim.

NOB_3 flature it is to the north of East Rasset Mine, is in the sures.

diately to the west of this _ross-course.

Ninnis (Wendr_n), near Wheal Lovel, has been put to work by some parties, who have erected a water-wheel and sunk the shaft 10 fms. deeper than the yielding go_d saving working for time.

North HULLER lies to the north of East Basset Mine, is in the same strat_m of killas, and with parallel lodes, holding out hopes of becoming, with a little m_re perseverance, a good mine. The shaft is sunk to the 75 fm. level, but the prevailing opinion seems to be that a greater depth has yet to be attained for success.

NORTH FRANCES has sold this year a fair quantity of ore; but I cannot give the exact returns, no notice having been taken of my application to the office. There was a rich course of ore in the adit, and it was sunk through in Eales's shaft at the 3cl chourse of ore in the adit, and it was sunk through in Eales's interest now is to cut the same shoot of ore in the 48 west. Again, in the 38 west, they almost daily expect to get the cross-course west of which West Basset and South Frances cut rich. On this cross course they will drive south, and will cut several lodes, which about the adit are of a very promising character. The large lode of Usy and South Carn Brea, and which in these mines, as well as in the shallow levels of North Frances, is siding down in the granite, will be cut in this level in the granite, which is a very important point. Altogether, the prospectage free mine are good, and we hope to see it enter the Dividend List of 1858.

NORTH GRAMBLER adjoins Grambler and St. Aubyn on the north, and is traversed by the same cross-courses. The engine-shaft is sunk 50 fathoms from surface, and a level extended east about 40 fathoms; the object is, by driving this end to reach the grown of the course of the mine so the sund and the sund surface, and a level extended can about 40 fathoms; the object is, by driving this end to reach the grown over near that point, where there is a lode 2 feet wide, containing some very rich stones of grey and yellow ore; also acro

of whom think very well of it.

NORTH ROSKEAR has sold 2206 tons of copper ores this year, realising
14,4897. For many years the mine paid large dividends, and from the improvement
which have taken place this year in the western part of the mine, profits are again
looked for at an early date, and probably would have been made ere this but for the
fall in metals.

NORTH GENERAL HAS sold 2206 tons of copper ores this year, realising 14,199. For many years the onine paid large dividends, and from the improvement which have laken place this year in the western part of the enine, profits are again which have laken place this year in the western part of the enine, profits are again which have laken place this year in the western part of the enine, profits are again which have laken place this year in the western part of the enine, profits are again which have laken place the profits of the

PORKELLES UNITED has returned tin ores in the twelve months to the value of 18,6784, and is now abest paying cost. The mine is in 2400 shares, 104, 2s, paid up, making the outlay by the shareholders 24,0004. The monthly costs are should 14004, and 460 persons employed. But for the fall in tin, the returns of late would have yielded good profits, and twelve months ago the mine was fally expected to enter the Dividend List in 1857.

14004., and 460 persons employed. But for the fall in tin, the returns of late would have yielded good profits, and twelve months ago the mine was faily expected to enter the Dividend List in 1837.

PRIDEAUX WOOD, a young and promising speculation, in the neighbourhood of the Foweys, has sold 5 was 14 cwts. 3 qrs. 7 lbs. of tin, for 4264. 2s. 4d.

REDMOOR.—This is the old Callington Mine, which when worked for lead yielded upwards of 150,0004. worth, and to the time of its abundonment, through a bankruptey, was making large monthly returns. But the copper lodes, five in number, were neglected, while the returns of lead were so great; and the present company purchased the mines for the purpose of working the copper lodes by means of the levels which had been laid open for the lead, at a cost of at least 50,0004. For this purpose 10004, was subscribed, and another 10004, will soon be required. Already fair returns of copper are being made, and will be brought to market on the completion of the new steam drawing-engine. About 6 tons also of very rich silver-lead have been raised. The great feature in the mine (and one which renders it one of the fairest speculations of the day) is the fact that to a depth of 120 fathoms the water is pumped out by neighbouring mines, so that the heavy cost of engines, &c., is avoided. I have heard it said that the capabilities of the mine are such as to render it within the bounds of probability that it may are long be worth 50,0004, but to be more moderate, I hope to see it, at any rate, worth a quarter of that sum during 1836, which would be more than double its present price. The Kelly Bray lode, from which large returns have been and are being made, is dipping into Redmoor, some of the ends being near to the boundary.

SOUTH Basser has been worked for some years as part of Wheal Basset, formerly called South Wheal Basset; an engine was erected, and about 1004. a month spent on it, the cost being taken from the perset stem, and now stands on its own bottom, with a capital of 100

me day to turn up a prise.

SOUTH CARN BREA has sold 30 tons of copper ore for 2081, 12s. 9d., and if or 531, 14s. 4d. The mine is between Wheal Uny and North Frances, and on the me lode as the latter mine. Great hopes have been formed of the mine, which have frad disappointed expectation; but from its situation it will doubtless turn out well.

so far disappointed expectation; but from its situation it will doubless turn out were sooner or later.

South Condurator.—The cross-cut adit south has been driven on the cross-course; this is 30 to 35 fms. deep, and three or four lodes have doen intersected, one of them showing in places kindly indications. The most interesting point in the mine is on the line of the lode coming from West Basset, to which they are drawing near. There is a basin of killas between two grants bills, ranning from Pendarre neaterly between South Prances, West Basset, Wheal Basset, North Basset, Bullet and East Basset, making South Condurrow, as well as the Newton part of Grenville in good positions.

men: Son the line of the lode coming from West Basset, to which they are drawing near. There is a basin of killas between two grantie hills, running from Pendarves easterly between South Frances, West Basset, Woral Basset, North Basset, Baller and East Basset, making South Condurrow, as well as the Newton part of Grenville, in good positions.

South Crenwyer has sold copper ores to the value of 18,3301. 19s. 1d., and latterly about 3001, per month. The shaft is in course of sinking to the 120. The 34 west is worth 2 to 105 per fan. In 23 fms. long; ground up to the 54 standing whole. The 105 level has to be driven about 5 fms. to get under the ore ground referred to in the 94 west, which is an important point. In the shallow levels there is a large quantity of ore standing in the backs; and looking to the prospects generally, the mine ought soon to be in the Dividend List.

SOUTH DOLCOATH AND CARNARTHEN, situated to the south of Cook's Kitchen, has sold 31 tons 3 cwts. of copper ore, realising 2351. 2s. 6d. In the 75 west the erross-course has been intersected, which is letting out water sufficient to enable the men to get through it in the 50 and 40.

SOUTH PENHALDARVA is situate immediately between East Falmouth and Penhaldrava Mines, and on the same lodes, and the surface indications are considered equal, if not superior, to either of those mines. East Falmouth was commenced only two or three years ago, and is already paying dividends, and from the discoveries made at Penhaldarva it is, to all appearance, approaching the same state. At South Fenhaldarva, a small engine is about to be creeted. Capt. Pope, of Basset, considers South Fenhaldarva "one of the best speculations that can be seen in any new piece of ground in Cornwall." There are 512 shares, and the management is conducted at Truro.

SOUTH SETON.—A 50-in. cylinder engine has been creeted here. The mine is to the west of North Roskear and West Seton, and, from its prosition, good results are looked forward to, though from the dip of the ore it is pro

1 Cardiganshire.

THISTLEMOOR CONSOLS (near Bodmin) is a young concern, with a prolising lead lode, so far as seen in the back.

TOKENBURY CONSOLS.—The driving the deep adit south into the killas
as been continued, and a large lode intersected and driven on for a considerable disnece. It is about 4 ft. wide, of a vary promising character, and supposed to be the
une as the large gossans were found in westward in the granits. A level can be
rought in for about 1000l. to intersect this lode 60 fathoms below where it is seen in
he adit level.

same as the large gossans were found in westward in the granite. A level can be brought in for about 1000l. to intersect this iode 60 fathoms below where it is seen in the adit level.

Tolvadden commenced working in April, 1856, and during the present year has made large returns. From the commencement to the end of Oct., this year, the costs of working have been 4178l. 8s. 6d., and the ores sold, 3047l. 13s. 8d.: leaving a balance against the mine, as no calls have ever been made, of 1190l. 14s. 8d. Latterly the mine has made good profits upon current costs, and shows every prospect of soon paying off the balance against it, and of yielding good dividends. The 5 fm. level west is driven 20 fms. from the engine-shaft, and now yielding 3 tons of copper ore per fm.; the stopes in the back are yielding 7 tons per fm. The 10 has been driven 15 fms.; end worth 3 tons per fm.; the 10 cast driven 14 fms., yielding 3½ tons per fm. The engine-shaft is now sinking by the side of the lode.

Tretoil has been selling good quantities of tin, and the new copper lode is yielding some good ore. More capital here might lead to great results.

Trevelyan has sold this year 33 tons of tin, for 2418l.; and 40 tons of copper, for 452l. The principal operations have been on the tin lodes, and sinking on Watson's copper lode to the 50. Owing to the fall in tin the workings for this metal are to be suspended, and operations confined to driving to cut Richards's lode and sinking the shaft to cut the copper lode in the 60, where, owing to the nature of the ground, an improvement is expected to take place in the lode. The western part of the sett, through which the Own Vean lode and Richards's form a junction near cross-courses, in which large deposits of copper were found in Owen Vean, is to be worked as a separate mine, under the name of West Wheal Trevelyan. In the 30, on the copper lode in Trevelyan, a good quantity of rich copper was found. In the 40 the lode was not es good, being improvement was fully expected; but, although the lode

as been expended.

VENTON, it is to be hoped, will take, before long, a better position than it has yet occupied, the operations during the year having been driving a cross-cout to intersect the Trewetha lode, which is considered to be now close at hand, and the ground very favourable for mineral. In Trewetha, the lode has been productive, and yielded 75521, profit since 1853. In Venton, there is a long run of ground on this close. There are two engines on the mine, and a very considerable outlay incurred.

yielded 735/L, profit since 1833. In Venton, there is a long run of ground on this lode. There are two engines on the mine, and a very considerable outlay incurred.

WEST ALPRED CONSOLS has sold this year 1177 tons of copper ore, for 4394. 7a., against 61¢ tons, for 21294. 18s. 4d., in 1856, showing an improvement both in the quantity and the quality of the ores. The progress has been very satisfactory, and oredit is due to the adventurers for the energy and perseverance with which operations have been carried on under adverse circumstances. The management of the mine passed into the present hands in May, 1855, since which, not withstanding the well-known hardness of the "top crust" in the Alfred district, upwards of 655 fms. of ground have been sunk, driven, or stoped. The flat-rod shaft is down to the 95 from surface, and ready for sinking deeper. The engine-shaft has been drained to the 55, and a lovel extended west about 14 fms. The 85, east of flat-rod shaft, has been driven about 30 fms. through a lode which, immediately east of the cross-course, proved worth from 301, to 501, per fm. for nearly 10 fms. long. The present end is promising, with stones of ore, but not to value; a rise is going up in the back of this level to meet No. 3 wince sinking under the 75, both rise and winze being worth 401, per fm. A very interesting point to come off in this level is the approach of a large bunch of ore near old sump-shaft, which in and above the 75 proved rich in the former workings, at the place called "Bazeley B-Mtom." The 85, west of flat-rod shaft, has been driven 30 fms.—lode unproductive; but the ground has lately become more congenial, and a great deal of water now coming from the end indicates the approach of the good ore ground gone down in the level above. The 75 has been communicated from the engine-shaft to flat-rod shaft above 16 fms. Another winze, No. 4, is worth 3 tons per fm. The 75, west of the latter shaft, is going through a lode worth from 3 to 4 tons per fm. The 75, west of the latter shaft,

the lode was 7 ft. wide, worth from 401, to 501, per fm., and a rich discovery is delly looked for. The ore is improving in quality in the bottom kerels; the reserves are gradually increasing, and estimated at 10,001, whilst the change in the ground will greatly assist a further development, and the state of the control of the control

There is ample water power to explore the mine to a great depth, at a fair rent, and the royalty is 1-15th of the nett profit realised.

Wireal Gilynn is not looking so well, but the lode occasionally produces stones of lead.

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Wireal Gilynn is not looking so well, but the lode occasionally produces as a state of the looking so well, but the prize of 1857, I have little hesitation in expressing my belief that Grenville will be one of the prize, if not the prize of 1858, though I fully expected to see it come round this year; it is, however, considered only a matter af depth, as it was in West Basset, its immediate aeighbour. During the last year the Newton engino-shaft has been sunk 17 fathoms 4 feet 6 inches; winaes, to communicate from level to level, 19 fms.; lovels driven on the course of the lodes, 29 fms.; and cross-cut 31 fms. The shaft is now down 59 fms., the lode gradually improving in depth, warranting the presumption that in sinking a good cross-course of ore will be met with; the character of the lode in the shaft is loak, grey, and yellow ore, and mundic, cunbedded in gossan, quarts, prian, &c.; and, in sinking, about 7 tons have been raised. A shallow cross-cut is in course of driving north, and a lode is expected to be met with shortly.

WHEAL HARRIETT, situated as it is between Dolcoath and Condurrow, ought to hold a better position, but has fluctuated very much during the year. The engine-shaft is to be sunk 13 fms. deeper, to prove a shoot of ore discovered in the 90 on the cannter lode, and from whence the ore which lately produced 181, per ton was broken. The greatest drawback to the concern is the hardness of the ground. It is considered that in depth there will be a good mine, and the shaft is to be sunk to the 105, and a cross-cut put out to the caunter lode.

WIRAL HENDER.—The principal work here has been to er

small calls.

WHEAL MARY GREAT CONSOLS (St. Neot) has improved so as to encou

Wheal Mary Great Consols (St. Neot) has improved so as to encourage the company to carry out operations on a more extended scale.
Wheal Norris.—The clearing the deep adit has been continued. A lode has lately been met with, 5 ft. wide, of gossan, and a branch of good tinstuf, but this and other large lodes are likely to make copper in depth.
Wheal Pollard adjoins Craddeck Moor, and at a shallow depth the lodes, supposed to be those of Craddeck Moor and West Caradon, showed in Pollard the most promising appearance. The engine-shaft was sunk to the 35, and a cross-cut driven, but the lode was intersected in a disordered piece of ground near the shaft, just as Vivian's lode appeared in the 30 at West Caradon, and which afterwards became very productive. To prove the lode deeper, it will be necessary to sink the shaft, and the agents consider it ought to be done; but at present cross-cuts are being driven in the 35, to intersect other lodes seen near surface, and of a promising character.
Wheal Reeth has sold 40 tons 12 cwts. 2 qrs. 3 lbs. of tin ore for 28021, 2s. 4d., and has made calls during the year of 37201. This mine is very deep, a great ontlay required, and the chances of success in the present state of the metal market very doubtful.

WHEAL SIDNEY.—The engine-shaft has been sunk one lift this year, in market very doubtful.

WHEAL SIDNEY.—The engine-shaft has been sunk one lift this year, in the last 4 fms. through a good loie, which still holds in the bottom, and the character of the lode has altered altogether for the better. The levels have been extended, particularly the No. 3 west, which must be new approaching the large cross-cours against which in the upper levels the lode made rich. In driving the western levels atones of copper have been frequently met with, and the appearances towards the cross-course indicate a change to that mineral—in fact, it is more than probable that, as the bottom level west gets away towards this cross-course, copper will be found in valuable quantities. The tin sold this year is 45 tons 5 cwts. 2 qrs. 22 lbs., realising 3654. 16s. 7d.; and the agents are now preparing for another sampling. At the last meeting, the accounts showed a balance of 2584, 16s. 9d. in favour, but this must have been reduced by the fall in the price of tin. The tin sold from the mine altogether made 15,3324. 6s. 6d.

WHEAL TREMAYNE has been working to a heavy loss during the year, and offers no encouraging feature for the future. The operations are confined to the western part of the mine, where the shaft must be got down 20 fathoms deeper, other them ine will pay, and this will cost time and money.

WHEAL UNION, near Redruth, has sold small quantities of tin, and the operations have been vigorously carried on during the year. In the 30 fm. level, west of engine-shaft, the south lode is looking well, mixed throughout with yellow ore; in the 20 cast it is worth 54, per fm. for tin. In the 37 north the lode is 3 ft. wide, which, when opened at a deeper point, and clear of the cross-course, is expected to yield a large quantity of copper.

WHEAL UNY has returned this year black tin for 5997L, and copper ore 6844.5s. 3d. Since my last Annual Review the position of the mine has greatly improved. The workings on the tin lode have been extended, and with tin at 70t. a ton a profit on this lode alone could

Wheal Unity.—In the course of the present year this mine has been fully fitted with adequate machinery for carrying the present workings to a considerable depth. A fine 40-in. cylinder pumping-engine has been created at Maria shaft, and a line of flat-root carried to the original, now called the flat-root shaft; this latter has been sunt to a depth of 40 fms. below askit, the last 10 fms. sinking being through a lode worth 151, per fms. and in ground that will set at 2a. 6d. tribute. A great deal of good ore ground east and west of this shaft has been laid open, and the mine is not in a fair state of working. The samplings average from 25 to 30 tons of good ore per month. Some of working. The samplings average from 25 to 30 tons of good ore per month. Some of working. The samplings average from 25 to 30 tons of good ore per month. Some of working. The samplings average from 25 to 30 tons of good ore per month. Some of the work o

JAMAICA.

During the last twelve months mining in Jamaica has been steadily progressing; and as the work advances the improvement is such as to warrant those interested in anticipating favourable results.

At STAMFORD HILL MINE, the property of the Clarendon Consolidated Mining Company, the operations have been carried on with vigour, and the lode having improved in depth, machinery is to be erected at once, to thoroughly prosecute the mine. Without the sid of machinery the lode has been seen 60 fathoms deep by means of addits driven into the hill; but this mode of working can no longer be carried on, except at a great searline of time and labour. After the machinery is up, sinking on the course of the lode will be commenced, and good results are expected in depth. A small parcel of ore has been sold, and a few tons are now on the floors. HOPE SILVER-LEAD MINE.—This mine is worked by private enterprise. Four addit levels have been driven, and in the 30 the lode is of great width, and remarkably rich. Several hundreds of tons of ore are said to be on the dressing-floors, and a considerable shipment would, ere this, have been effected had it not been for the delay of the vessel upon which some of the stamps were shipped.

CHARING Choss MINE, the property of the Wheal Jamaica Copper Company, since its commencement has sold over 200 tons of ore, realising high prices. At present the operations are confined to the cross-crut in the 63. The last accounts describe "all things as going on well," and from 20 to 30 tons of good or were ready for shipment.

for shipment.

Amongst other local companies, whose prospects are encouraging, may be mentioned Ellerslie and Bardwist and Bio Grands; both of these mines have already made small shipments of ore.

The late Sir H. De la Beche entertained a favourable opinion of the mineral wealth of Jamalca, as also did Col. James Nisbet Colquboun, a man of considerable experience in mining in Mexico and other parts of the world. And skill, patence, and labour are required to bring mining in Jamalca to a successful issue. The late of the control of the world and paralica, and there can be no reason why valuable mines should not exist in the one as well as in the other. Over 300 tons of Jamalca copper ore have been sold in this country and the United States, realising prices which sufficiently indicate the quality of the ore, and its remunerative value.

WORTHING MINE, near Adelaide, South Australia, although worked by WORTHING MINE, near Adelaide, South Australia, although worked by a London company, had been quite neglecter; and the rush of miners to the gold digstings precluded carrying on the works at the mine, except at great expense. The works are now, however, being pushed on with vigour and spire. It can promy possesses about 1500 acres of freehold land within a few miles of Atelaide, producing a rental of 5000, per annum. At the Bremer Mine, the latest advices state that an engine has been exceted, and is steadily working; two shafts are being sunks, and although one is only 9 fine, deep, and the other 6, tribute pitches are set at both places, and the ore raised is of 21 % produce; the lode has been opened upon for 70 fins. In length, and found to be productive the whole distance. The freehold land is said to be worth more than represented by the present price of shares.

A happy new year, and prosperous, to "ONE AND ALL."

Mineral Wealth of Newfoundland are soon likely to become as celebrated for their rich mineral deposits as the scaboard now is for the valuable cod and scal fisheries which support the great bulk of the population. The explorations and surveys of Frederic Newton Gisborne during 1851 (which were made preparatory to the successful completion of his great electric telegraph enterprises), first brought the colony into prominent notice as a mineral district. Mr. disborne then became connected with Mr. Chrise Fox Bennett, an enterprising merchant of Newfoundland, and in the autumn of 1856 opened two mines for copper in Conception Bay, under the respective names of the Turk's Head and English Ridge Mining Companies. These companies have each a capital of 20001, in 1t. shares upon which 10s. per share has been called up. From the former mine about 20 tons of rich "horse-fiesh" copper ore has just arrived in Liverpool, and is worth from 15t. to 35t, per ton, although shipped in the rough as arised to grass. From the latter mine a similar quantity of grey ore has reached Liverpool, worth from 20t. to 60t, per ton. Ten trans realised, at the Harrington Dock, 32t, per ton, sthough as in the case of Turk's Head ore, it was likewed experted as raised to grass. Another result of the Newfoundland Mining Association (Limited), with a capital of 30,000t, in 1t. shares. The object of the company being to search for and develope the mineral resources of the colony. About 40,000t, of the capital was at once subscribed for, and 12-call paid thereon. The result of last summer's explorations is the discovery of silver, copper, galena, and iron, in several localities. A copper lode in Placentia Bay is now being worked by a staff of Cornish miners, imported by the association, and 2 tons of ere have just arrived in Liverpool as a sample therefrom.

The New York, Newfoundland, and London Telegraph Company have

The New York, Newfoundland, and London Telegraph Company have so opened a lead mine in Placentia Bay, upon one of the grants of land conceded to sem by virtue of their colonial charter, and have shipped therefrom to Liverpoo tout 100 tons of ore, which yielded 75 per cent. of pure galena. The mine has since cen sold for \$200,000, say 40,0001., cash payments—a very evident proof of the sup-osed value of the deposit.

MINING IN CANADA. - We have received from Messrs. Richardson and Co., Swansea, the following result of the assays of two parcels of coppor ore, received by Messra. Gladstone and Co. on consignment from Harvey Hill Mines, Leeds, Megantic, Canada:—

gantic, Canada:—
58 casks (ticketing No. 22), about 12 tons, of 40% per cent, pure copper.
58 casks i keg ,, 33), about 4 ,, 34% are segregate result has been over 40 per cent. The property consists of upwards of 4000 acres, within about 50 miles of Quebec, and about 20 miles from the Grand Trunk Railway.

We have received the following remarks on the market from Mr. Crofts We have received the following remarks on the market from Mr. Crofts:

After an interval fraught with gloom and stagnation of business, it is a pleasant task to resume the pen, and predict, if we cannot insure, a more encouraging future. The monetary panic through which we now may be said to have passed, and to have consigned its disagreesbles and losses to the page of history, has proved one of a greater intensity of evil than any of the four (dating from 1825) of which the writer has any reminiscences, and, like other storms, it has left many a fair vessel on the strand, either to be repaired, if not too much shuttered, or broken up as totally rippled and useless. It was not to be expected that so severe a visitation was likely to leave unscathed the mining interests of our country, still less that they should suffer in only a slight degree. Its effects have been to reduce the average value of shares at least 50 per cent, even including dividend mines, which presenting a more solid front than speculative stocks, are the last to succumb and deceive their holders. Thus much for the dark side of the picture. It is well, and should be better known, and the knowledge more extensively acted upon, that the safest markets to buy in the depressed ones; and such is now the characteristic of the mining market to a legree never before known; for, whilst the majority of well-managed mines have and the showledge more extensively acted upon, that the safest markets to buy in are depressed ones; and such is now the characteristic of the mining market to a degree never before known; for, whilst the majority of well-managed mines have been keeping on "the even tenour of their way," with regard to production and sales of ores, their shares have susoumbed to the general apathy of purchasers, and sabsided to, in some cases, almost nominal prices, at which point the most fear-less and far-seeing capitalist is now beginning to operate, and with the certainty, it may be safely predicted, of large profits hereafter. To demonstrate such a result in the face of experience would be superfluous, but if proof were wanting reference might fairly be made to operations on the Stock Exchange in railways, British, colonial, and foreign, in which it is no exaggeration to say that large fortunes have been realised; and the same result, diminished only in degree, the operations of the couraccous adventurer into such mining stocks as come within the category we have already described. As matters stand, therefore, it is suggested that the market at the present moment is rather one to bay than to sell in; and where that alternative units the convenience of individuals we can, and do, confidently repudiate that delay which, in waiting for the lowest point, generally misses it. A sounder state of things, touching the monagement of money affairs, is now dwarning apont he markets, since the joint-stock banks have, it is stated, resolved to fix their maximum rate of interest upon deposits, irrespective of the Bank rate, at 5 per cent, for the future, and thus virtually condemning that system (originated by themselves) of bidding the highest possible price for money, and enlarging with it the area of discounts to such a verge as to derange the whole commercial fabric. It is "better late than never" to see an error, and we thank them for the amende.

GERMAN GOLD.—Strata of auriferous soil have been discovered on the ope of a hill on the banks of the Rhine, near the village of Lingenfeld, and which is hoped, will turn out to be productive.

Surprue IN California.—Near the borax lakes, and about three miles om Clear Lake, Nepa county, there is a sulphur bank nearly 30 sores in extent, and apposed to be 30 ft. thick. The sulphur, which is sufficiently pure for the use of the init at 38 at Francisco, seems to be constantly forming from a dam stream rising ver the whole surface continually.

Mining Correspondence.

BRITISH MINES.

BRITISH MINES.

ASBEY CONSOLS.—J. Trewin, Dec. 28: The south part of the lode in the 10 fm. level, east of the enging—shaft, is worth 6 cwts. of lead are per fm:; but we are of opinion there is more is.. to the north, and have put the men to cross-cut in that direction, to prove it. The stopes in the back of the adit; west of said shaft, are werth about 5 owts. of lead ore per fm. The lode in the adit end, west of the eastern shaft, is producing 4 owts, of lead ore per fm. There is no change to notice in the adit end east of the eastern shaft; the lode is composed of quarts and blende, with spots of lead ore, altogether a promising lode. There has been no lode broken in the eastern shaft during the past week. No. 1 stopes are worth from 9 to 10 owts, of lead ore per fm. on. 2 stopes are much of the same value, yisiding i cwts, of lead ore per fm.; and the stopes east of the rise are producing about 5 owts, of lead ore per fm.; and the stopes east of the rise are producing about 5 owts, of lead ore per fm.; and the stopes east of the rise are producing about 5 owts, of lead ore per fm.; and the stopes east of the rise are producing about 5 owts, of lead ore per fm. we have cleared out the fundamental of the masses have this day began to build the walls. We have also attached a drawing machine to our pumping wheel, and it works well.

ALFRED CONSOLS.—M. White, T. Trelease, T. Hosking, Dec. 30: The north lode in the 140, cast and west of cross-cut, is much the same as last reported; this lode, in the wines sinking below this level, is worth 80L per fm. The shorth lode in the 130, east of the above shaft, is worth 30L per fm. The north lode in the 10, east of the above shaft, is worth 30L per fm. The north lode in the life, sat of said shaft, is worth 50L per fm. The main lode, west of No. 2 wines, in the 110, is worth quite 40L per fathom. The north lode, in the wines enking below the lode, is and the fathom. The north lode, in the wines of fookan, is 18 in, wide, having a promising appearance. All the other parts

below the 100, is worth 31, per fathom. The north lode in the 70, east of flookan, is 18 in, wide, having a promising appearance. All the other parts of the mine are just as last reported.

BalLLYMONEEN,—W. Barkla, Dec. 26: In the 15, driving east, there is a great deal of water coming from the end; the poor piece of ground mentioned in my last is still holding, which makes the driving not so good for sulphur—driven since last report 4 ft. 6 in, total driven 2 fms. 3 ft. 6 in. In the 15, driving west, we have still good sulphur, and particularly towards the bottom of the driving—driven since last report 2 ft. 2 in., total driven 2 fms. 3 ft. 6 in. In the winze ainking below the adit level the ground is rather slow for sinking—sunk since last report 3 ft. 6 in., total sunk 5 fms. 0 ft. 6 in., tot

been driven since my tast a fir, making the total driven 35 ms. 5 in.; the fode is just the same as last reported.

BRONFLOYD.—M. Barbary, Dec. 31: The south lode in the rise in the back of the deep add its still opening out some good stoping ground, and yielding from 10 to 15 cwts. of lead ore per fm. The 17 fm. level is extended south of No. 2 shaft 5 fms. 3 fr., and has intersected the south lode, but judging from its immense size, about 21 ft. wide, it will in all probability tasks us from four to fire weeks to reach the south wall. We have cut into the lode for about 3 fr., and for this breadth will yield ½ to a of lead ore per fm. This materially improves our prospects, and as soon as the level is through the lode, and the communication is made good by the rise from the level below, our future returns will be much facilitated. All surface operations are now proceeding very satisfactorily.

BWLCH CONSOLS.—B. Northey, Dec. 23: The lode in the 40 west is small and poor—no lead to value. No alteration in any other part of the mine since last reported. In consequence of the improvement in the 60, together with the mildness of the weather for dressing, I shall be able to sample about 35 tons of good quality lead ore by the middle of next month.

CAMBORNE CONSOLS.—Wm. Roberts, Dec. 29: Nothing new since my last.

CARVANNALL.—Wm. Robert, Dec. 29: The engine-shaft is down 12 fms. under

CARVANALL.—With Robert, Dec. 29: The engine-shaft is down 12 fms. under the 11s, and the men have commenced driving the 13s west, in which the lode is 3 ft. wide, chiefly composed of crystallised iron and mundle. In the 11s west the lode is 1½ ft. wide, unproductive. In the 10s west the lode is 2½ ft. wide, with a branch of ore on the north side, producing ½ ton per fm. In the 76 west the lode is 3½ feet wide, producing a little ore.

wide, producing a little ore.

CARVATH UNITED.—R. Hancock, Dec. 29: We have cleared up the stuff in the different levels, and are now driving the 40 east and west. In the east end the lode is large, and yielding some tin, but is rather hard for the present. In the west end there is some good work for tin; we have begun to stope the back of this level, and there is a good lode in it. In the cross-out, east of the engine-shaft, in the 20, the ground is favourable for driving. The other stopes in the 20 and 30 levels are yielding just the same quantity of tin as last reported. We have set a pitch in the back of the 20 for 10s. in it, to three men for two months. The pitch in the back of the eastern adit is producing rich work for tin, and the men are getting good wages. Everything on the mine is going well, and we intend to clean up about 3 tons of tin by next pay-day, which will be in a fortnight.

of the 20 for 10s. in 1s., to three men for two months. The pitch in the back of the castern adit is producing rich work for tin, and the men are getting good wages. Everything on the mine is going well, and we intend to clean up about 3 tons of the by next pay-day, which will be in a fortnight.

CASTELL.—J. Lester, Dec. 23: Everything is going on satisfactorily; the crusher is working very well, and we have a good supply of water.

CATHERINE AND JANE CONSOLS.—R. Harry, Dec. 31: Last Saturdwy being our setting day, the following bargains were set:—The deep adit end to be driven by aix men at 3s. per fm., 2 fms. stant; iode 2 ft. wide, a present poor. The southeast stopes by two men at 53s. per im., stented the month, loide 2 ft. wide, worth 8 cwts. of ore per fm. The north-west stopes by four men at 53s. per im., stented the month, loide 2 ft. wide, worth 8 cwts. of ore per fm. The north-west stopes by four men at 7s. per fm.; holed to the deep adit level yesterday. Assoon as the ground is squared down I shall put the men to stope south-east of this winze, lode 2 feet wide, worth 5 cwts. of ore per fm. We calculate on having 10 tons of lead ore prepared to sample about the 12th of next month.

CHOLLACOTT CONSOLS.—Jas. Carpenter, Dec. 30: We are sinking the engine-shalt satisfactorily; the horse machine commands the water easily.

COLLACOMBE.—S. Mitchell, Dec. 23: During the last month a new plunger-lift has been fixed at Morris's engine-shaft, and the sinking of this shaft (below the 72) will be resumed this sweek. The 72, east of Morris's shaft, has been driven on the north part of the lode 3 ft. 9 in., which is composed of capel, quarts, and rich copper ore. The 62 west of the western shaft, has been driven 2 fms. 5 ft. 3 in., and within 2 feet of the present ond a cross-coarse has been intersected and out through, where a good improvement has taken place, the lode is 4 feet wide, composed of soft quarts, and 1 in on 6 good or eper fathom. The 61 lolewing pitches and bargains were set on Saturday:—Gill's pitc

is good ore in the sole, which we will get by stoping from the sump foot. There is no alteration with the sump in the 17 fm. level.

CWM EBFIN.—The 57, going east of drawing shaft, shows symptoms of our nearing the ore ground passed through in the level above; the lode is 2½ it, wide, composed of elay-slate, earbonate of lime, and blende, carrying a small branch of lead ore on the south or footwall. The lode in the winze sinking below the 45, 10 fms. east of the cross-cat, yields 12 cets. of lead ore per fm. The 43, going east of the cross-cat, continues to be of the most promising appearance; lode from 5 to 6 ft. wide, yielding 1½ ton of lead ore per fm. During the past fortright the ground in this end has become very wet, the lode at this time emitting much water. I stribute this to our having passed the old north workings, this end being now about 2 fms. in advance of the same. The lode in the stope over the back of the 45, east and west of the cross-cut, yields 3 ton lead ore per fm.; the stope over the back of the same level, 15 fms. east of the cross-cut, yields 1 ton of lead ore per fm. The lode in the winze sinking below the 32 has somewhat improved affect leat report, yielding at this time 1½ ton of lead ore per fm. The rise which is being put up from the back of the 45, against the above winze, yields about the same quantity. A communication with those bargains may be expected by my next report. The lode in the 32 going east of cross-cut, is from 2½ to 3 ft. wide, yielding ½ ton of lead ore per fm. A good start has been made with the 20 cross-cut south, and every effort will be used in meeting with the lode at the earliest period. We sample, this day, 35 tons of lead ore, being the produce of Dec. month.—Dec. 22.

CWMYSTWYTH.—We continue to look much the same : one or two of our ends

dues of Dec. month.—Dec. 22.

CWM YSTW YTH.—We continue to look much the same: one or two of our ends are looking rather promising. The cross-road level west is worth I ton of good lead ore per fm; we have now driven about 3 fms. and the end is still good. In Kingside adit east we have a little ore, but we have not taken down much of the lode as yet, in the middle level, under Raw's level, we have a little ore, worth I ton per fm; we have only cut it the last few days, so that we cannot say much about it as yet. I think I said in my hast that we have cut a fine bunch of ore under Gill's lower level, which is now set at 45s, per ton, it looks well; I think it produces about 4 to 5 tons per fm. We have not opened more than about 2 or 3 fms. south, and 2 fms. high. We have two or three more very good bunches of ore on Pugh's side. Kingside is very poor all through. We cannot set anything under 120s. per ton, and two bargains were not

taken. You mentioned in your last about driving east in Taylor's level; we attill expect we have the Kingside lode to cut, yet the lodes we have cut are very poor ones; we have been dialling it out this last week, and we make it very near the jode, but I think the lode is very soft in this place. We never had such a time for dressing ore, we are doing more work than we did in the summer; we have such a good supply of weater that we can grind any quantity of suff.

DEVON AND CORNWALL UNITED.—T. Neill, Dec. 29: The south lode, driving east in Bastard's level, is improved since last week, now worth 2 tone per fundation in the back of this level, west of rise, on north lode, is worth 5 tone of ore per fundation.—Midway Level: On the north lode there is no alteration in the scattern level instruction. In the seatern level in the wince in the bottom of this level the lode is 6 ft. wide, producing 6 tom of ore per fundation.—South Lode: In the winze in the bottom of this level the lode is 6 ft. wide, worth 12 tons of ore per fun. There is no lode taken down in any other part of the mine.

DEVON BULLER.—Dec. 31: No lode has been taken down in the 44 west since my last report, but from the very favourable ground by the side, and the great quantitity of water issuing therefrom, I have no doubt but what it is productive; it will be taken down and very promising, and producing some good stones of ore. The back of this level is very promising, and producing some good stones of ore. The sation is the south life ton ince.

Ditaket WALLS.—T. Gregory: We are progressing favourably in sinking Betteley's and the western shaft is worth 13 tons of good ore per fathom. The pitch at the western shaft is worth 13 tons of good ore per fathom. The pitch at the western shaft is worth 14 tons of good ore per fathom. The pitch at the western shaft is worth 14 tons of good ore per fathom. The pitch is the producing about the usual quantity. In driving the 70 cross-course for progress being made; we have no change to notice in any other part

mundie, and jack. We have four men driving on the cross-course south, to cut the south lode; the cross-course is producing large stones of mundie, with spots of yellow ore.

EAST ROSEWARNE.—J. James, Dec. 24: At the engine-shaî! we have finished sinking for bearers and cistern to fix the lift in the 33; the men are putting disterniplat; we hope with good speed to get the new lift working next week. In the 33, east of engine-shaft, the lode is about 2 ft. wide, containing some good stone's of copper, with a promising appearance. In the 22 east the lode is 1 ft. wide, unprodictive. In the 22 west, on the same lode, the lode is small and poor; this level has been driven as far weeds this end, and put the men to drive a cross-out north at this point to intersect the north lode, which we calculate to do in about 4 fms. driving.—North to intersect the north lode, which we calculate to do in about 4 fms. driving.—North Lode: In the 22 east the lode is 1 ft. wide, with some good copper—tribute ground. In the 12 east the lode as present is small, with a little copper, but not to value. In the 12 east the lode is 6 in. wide, with stones of ore; we are anticipating an improvement here. No. 1 winze and slopes in the bottom of the 12 are yielding the usual quantity of very good copper. In the winze staking about 16 fms. east of this the lode is 16 in. wide, with social sones of copper, and having a very kindly appearance. All other operations are without change to notice.

EAST WHEAL FALMOUTH.—Wm. Burrows, Ded. 30: The sumpmen are still engaged in driving the cross-out west in the 30—without alteration. The 20 end north, on Chennal's lode, is worth 3½ tons of silver-lead ore per fathom. Northey's stopes in back of this level are worth 1½ tons of silver-lead ore per fam. All other places are without alteration since my report last week.

EAST WHEAL FALE QLOSELL—J. Goldsworthy, Dec. 24: We have cut the lode in the 66 end east; the lode is lone, which we have sommenced driving on the south side of the lode—ground rather stiff

The lode in the wings sinking below the bottom of the 35 fms. level is worth 2 tons of ore per fm. Nothing new in any other part of the mine. We shall sample, on Tuesday next, above 45 tons of good quality copper ore.

— J. Goldsworthy, Dec. 29: We shall sample about 5½ tons of coppor ore of good quality, computed, 32 tons. There is nothing new in any part of the mine.

GAWTON COPPER.—J. Gill, Dec. 30: In the 50 the men are making good pregress; the lode is 2 ft. wide, producing at times exceilent stones of copper ore, and has an improving appearance. The lode in the 36 end still continues large and promising, worth 36, per fm. In the 44 end the idea is rather disordered and poor; I have suspended it for the present, and also the stope in back of the end, and have removed the men to the east of the winse in bottom of the 24, where I find a part of the lode standing to the north, which is turning out some good or,", and likely to be a profitable piece of ground. After a little further exploration, I shall be able to state its value. The stopes in back of the 36 are looking well, worth 154, per fm. We sampled, yesterday, 35 tons of copper ore.

GREAT CARADON.—J. T. Penprase, Dec. 30: The sinking of the engine-shaft is going on with all speed; down 4 fms.; the lode is composed of goseau, prian, and spots of copper ore. Everything is being done to forward the working of the mine.

GREAT CRINNIS.—E. Shaw, W. Woolcock, Dec. 28: The sumpmen's stopes in the 80, east of Union shaft, are valued at 74, per fm. Whe was one pitch working by sight men, at 12s. in 14. West of Cornish's shaft, in the 24, valued at 84, per fm., at 13s. 4d. in 16, valued at 54, lep r fm. One pitch working on the working of the pitch working on the middle lode, east of Hannah's shaft in the 17, by four men, at 12s. in 16, valued at 84, per fm., at 13s. 4d. in 16, valued at 34, 15s. per fm. One pitch working on the

wide, producing 2 tons per fathom.

GREAT WEST SORTRIDGE.—J. Richards, Dec. 31: There is nothing new.
GRYDVER PARK CONSOLS.—H. Rawson, Dec. 31: In driving west at Cross Mawr
I am unable to report anything new at present. We have out through to the banging side of the lode, and I think we shall have easier ground to drive. We have broken
down the lode separate; it will, therefore, be less trouble to dress the ore.

KELLY BRAY.—S. James, Dec. 26: There has not been any lode taken down in
the 135 cast since last reported on. The lode in the pitch in back of the 115 west is
about the same value as it has been for some time past, worth at present 204, per fm.
The lode in the 45 west is still strong and kindly, producing more ore than it has for
the wines with all possible dispatch. The wines in bottom of the 35 is worth be.

M. per fm.—Eastern Mine: Watson's engine-shaft is sunk 5 ft. below the 40 daring
the past week. The ground in the cross-cut is still favourable for driving, and water
springing from the end very strong; showing indications of a lode not far ahead; we
have driven 3 fms. during the past month. All other parts of the mine are as previously. Our sampling for December will be about 110 tons of copper ore.

LADY BERTHA.—J. Metherell, Dec. 31: There is no particular alteration in the
appearance of the mine since last report. Last Thursday the following bargains
were set:—A trip. plat to be out in the 30, to put in sollar, &c., as per bargain, 224,
by six men. The 30 to be driven west by six men, stented 2 fms., at 104. 10s. per fm.;
in this end we are breaking some good stones of ore from the branches in the country.
The 30 to be driven east by six men, stented 2 fms., at 104. 10s. per fm.;
we shall take down the lode here next Tuesday. The 20 to be driven west by four
men, stented 2 fms., at 64. per fm.;
we shall take down the lode here next Tuesday. The 20 to be driven west by four
men, stented 2 fms., at 64. per fm.;
we shall take down the lode here next Tuesday. The 20 to be driven west by four

NEW CROW HILL.—Dec. 28: The stopes in the adit level have been set on tribute for lead, at 84, per ton. The stopes in the back of the 22 are yielding from 4 to 5 tons of biende per fun, being set at 26s, per fun. We have had to burn part of the lead, which is mixed with mundle and blende, and which has delayed us, but we shall finish dreasing next week. We have a large pile of blende at surface and underground, and the Commerce with the mundle has sailed only to-day.

finish dressing next week. We have a large plis of blende at surface and underground, and the Commerce with the mundle has sailed only to day.

NEW WHEAL VOR AND EAST WHEAL METAL.—Jos. Vivian, N. Thomas, Dec. 28: In the present report of our progress here, we are glad to say our prospects enable us to confirm all which we have previously eald. Our engine-shaft, on the great north lode, is now down 25 fathoms; we are continuing it in the country for the sake of expedition, as it will tend to drain the water from the winze. We are about to sink on the very beautiful lode in our adit level east, which is about 30 fms. east of our engine-shaft; we are carrying it 6 ft. wide, not yet having the north wall, altogether producing tinstuff for the stamps; though but 10 fms. from the surface the appearance of it, we venture to affirm, is such as is not to be excelled in Cornwall, and have no doubt of a rapid improvement as we proceed to lay it open at a greater depth, and in this respect we are peculiarly fortunate, as the proximity of our engine will enable us at once to sink on the lode without let or hindrance from water, and with this view we are pushing on a shalf from surface for ventilation, which we hope fore referred to on the course of the lode from which we have great expectations. The Wheal Metal lode, in our eastern adit end, is con-iderably improved in appearance, and letting out a considerable deal of water; as much may be said of the Wheal Bramble lode. On the Park-an-step lode were still clearing through extensive old workings, such is likewise the case with Penprase lode, and it is a remarkable fact that we are returning the refuse stuff of the ancient timers at 10s. in it, fribute; it is almost needless, therefore, to say that we anticipate great results from this part of your property. We shall shortly, we have reason to hope, be in a position to open and explore the several lodes in the south-western part of your ground, and which have been exceedingly rich in the neighbouring mines. Our engine conti

NORTH BASSET.—T. Glanville, Dec. 30: At Grace's shaft, sinking below the 72, the lode is yielding 2 tens of ore per fm. In the 42, driving east of the cross-cut, the lode is yielding 3 tons per fm. The other parts of the mine are without alteration.

NORTH BULLER.—T. Glanville, Dec. 2s: Tutwork Setting: Louisa engine-shaft to sink below the 78 by nine men, the menth, taken at 251, per fm. The 96 cross-cut to drive south of Wheal Uny engine-shaft by four men, 1 fm., or cut the lode, taken at 111, per fm. The eross-cut is extended 39 fms. 1 ft.; no lode as yet intersects.

to drive south of Wheal Uny engine-shaft by four men, 1 fm., or cut the lone, taxen at 111, per fm. The spoze-out is extended 39 fms. 1 ft.; no lode as yet intersociat. NORTH TAYY.—R. Williams, Dec. 37: The prospects of this mine are still good. The stopes in back of the 20, both at old whim-shaft and at Gill's, are producing tinstuff of good quality. At surface we are getting on as fast as we can with the lobby and wheel pit, and hope to begin the building in about a week from this time.

NORTH WHEAL ROBERT.—J. Richards, Dec. 24: Murchison's Engine-shaft: In the 62 west the lode is 2 feet wide, and unproductive. In the 53 west the cross-course has been intersected, to the west of which the north part of the lode has been driven upon for about 6 feet; it is 2 ft. wide, containing quarts, capel, mundic, and carrying a leader of ore 2 and 4 in. wide, worth ½ ton per fm. This end is for the present suspended, and the men placed to drive a cross-cut anoth for intersection of the 42 above, which will admit of its again being sunk. In the 42 west the lode is more promising, and yields good stones of ore. In the 30 west the lode is 3 ft. wide, composed of mundic, peach, quarts, and ore, worth ½ ton per fm.—Trial Shaft: The lode in the boundary winze is 2 feet wide, and worth for the length of sink (9 feet) you can be a sunk of the containing capel, mundic, quarts, and occasionally good stones of Qre.

OKEL TOR.— W. B. Collom: In the 50 cast the men are engaged cutting into the

2½ tons of ore per fathom. In the 50 east the lode is 3 feet wide, containing capel, mundio, quarts, and ocasionally good stones of Gre.

OKEL TOR.—W. B. Collom: In the 50 east the men are engaged cutting into the north lode; this lode is about 6 feet wide, and is orey throughout, and will yield at least 4 tons of ore to the fathom. The south lode is 3 ft. wide, and also contains good work for copper. Both these lodes being together are improving going east. There are now at surface about 50 for a 6 copper ore and 100 tons of mundie, to both of which we are daily adding. The 'sad lode in the 50 south is 3 feet wide, composed of quarts.

OLD WHEAL B ASSET.—We have taken the men that were driving the adit level, west of Martin's enaft, on the flat lode, and put them to sink a winze in the bottom of the level, about 10 fms, behind the present end; the lode in this winze is 18 in, wide, producing good stones of ore, and we expect shortly to work this place on tribute. This lode in the adit level, west of the new shaft, is still small, but yielding good stones of ore, and we expect shortly to work this place on tribute. The lode in the adit level, west of the new shaft, is still small, but yielding good stones of ore, and we repeat shortly to work this place before long.

PEDN-AN-DREA.—Capts, Carpenter, Delbridge, and Thomas, Dec. 26: In the 90 east, on Martin's lode, driving east from the granite, the ground is getting harder. On Thursday we set 2 fms. at 10½, the lode producing low-priced stamping work. The stopes behind this end, west from the junction, are much the same as last week, worth from 40½ to 50½, her fm. We are getting on estafactorily in cutting ground for the new bob in the 65. We expect in 2 fms. diving in the 40 we shall hole to Bragg's shaft. Our tribute stopes continue to yield much the same average quantity of tinsteff as for the month past. We sold, on December 23, 10 tons ½ ewt. of black tin, for 5504. 18s.

black tin, for 550f. 18s.

PEMBROKE AND EAST CRINNIS.—J. Dale, G. T. Trewren, Dec. 29: In the 182 cross-cut, north and south from Reid's shaft, there is no alteration to notice since last report. We have taken down the lode in the 112, east from Smith's shaft, which is about 14 in. wide, of a very promising character, producing good stones of ore, and letting out a quantity of water. In the 100 end, east from Smith's shaft, the lode is worth from 1½ to 2 tones of ore per fm. In the winze sinking in the bottom of the 100 the lode will produce about 1½ ton of ore per fm. The stopes in the back of this level and in the winze sinking in the bottom of the 90 are without alteration.

level and in the winze sinking in the bottom of the 90 are without alteration.

PENCORSE CONSOLS.—H. B. Grose, Dec. 31: We have 30 tons of ore now on the floors, dressed and undressed, and I think by the end of this month we shall have 70 tons, besides lead and copper. Our operations throughout are being carried on in the most judicious manner, and everything in good working condition. The engine works well, and consumes about 25 cwts. of coals in the 24 hours.

works well, and consumes about 25 cww. of coals in the 24 hours.

REDMOOR.—T. Ta_ior, Dec. 28: Since last report we have been desuing the lode in the 20 winze on is all olde. No alteration in the tribute workings. The men are pushing the com_iction of the 80 railroad with all speed. The timbermen are engaged in putting in a penthouse at the 70 preparatory to his repairing the whim_shaft from there to the 80. We have got the heaviest part of the whim, and expect within 2 fortnight to have to stop our present drawing machine to change boilers, when we may clear up the lead ore, and make a small sale of 7 or 8 tons.

RIVER TAMAR.—J. Cock, Dec. 28: We are proceeding favourably in sinking the engine-shaft. The ground in the adit cross-cut is a little inarder than it was.

SORTRIDGE CONSOLS.—James Richards, Dec. 31: In the 62, east of Hitchins's engine-shaft, the lode is a little improved; it is composed of capel, quarts, mundic, and ore, worth 1 ton per fm. There is no alteration of importance in any other part. SOUTH BOG.—S. Morris, Dec. 31: In driving about 2 fms. more in the 45 l expect an improvement, and would also advise a cross-cut to be put out to lateracet the course of ore gone down in the bottom of this level, and increase our returns.

SOUTH CARN BREA.—Thos. Gianville, Dec. 30: At the flat-rod shaft the lode is

SOUTH CARN BREA.—Thos. Glanville, Dec. 30: At the flat-rod shaft the lode in ft. wide, yielding 1 ton of ore per fm. In the 58, east of the flat-rod shaft, the lode is 4 ft. wide, mixed with small branches of red oxide and grey ore.

SOUTH CLIFFORD UNITED.—No. 6 lode is about 14 in, wide, composed of spar musdle, and lead, a very kindly lode. No. 3 lode east is from 15 in, to 1½ ft, wide composed of gossan, spar, and mundle, and appears to be improving. The lode has not yet been cut at Trehaddle, but still letting out a great deal of water.

SOUTH GRENYER.—J. Delbridge, E. Chegwin, Dec. 29: In the 94 west the lode is 9 in. wide, producing stones of ore. In the 94 winze the lode is 2 feet wide, producing 1 ton 6 ore par fm. In the 54 west, 74 west, and 34 rise the lode is 2 ft. wide, worth 1½ ton per fm. In the 44 rise the lode is 2½ feet wide, worth 6 to 15 the 15 th

ST. AUSTELL CÓNSOLS.—R. H. Williams, Dec. 26: The stopes generally are oking very well, and no doubt will continue. The lode in the 35 south is opening at very encouraging, and our prospects as to returns of tin ore are improving.

out very encouraging, and our prospects as to returns of tin ore are improving. TAMAR SILVER-LEAD.—Thos. Foot, Dec. 31: The engine-shaft has been sunk I fm. 4 ft. in the past mouth, and is now 6 fms. 6 in. under the 215—ground still favourable for sinking. The lode in the 215 south is improved, being now 2½ ft. wide, composed of capel, spar, and lead, worth for the latter 8 cwts, per fm.: we have suspended the driving of this level north for the present, the lode being poor. There are three stopes working in the back of this level, producing as follows:—No. 1, 7 cwts.; No. 2, 9 cwts.; and No. 5, 7 cwts, of lead per fm. The lode in 205 south is 2 ft. wide, yielding 24 cwts, per fm.; in this level, driving north, the lode in the end is 2½ feet wide, composed of capel, fluor-spar, and lead, worth for the latter 14 cwts, per fm. There are seven stopes in back of this, the 205 north and south, yielding, respectively, 10, 20, 12, 7, 6, 9, and 8 cwts. of lead per fm. We have resumed the driving of the 190 south on the castern lode, which is 1½ ft. wide, composed of capel and lead, worth for the latter 5 cwts. per fm.; the two stopes in back of this level will produce as follows:—No. 1, 7 cwts. and No. 2, 10 cwts. of lead per fm. No alteration in any parts since my leat report.

since my last report.

TAVY CONSOLS.—R. Williams, Dec. 31: The pitch in the bottom of the 56 east has improved, the lode is making quite home to the eastern end; this pitch is working by four men, at los. in 11, and the men are making good wages. The pitch in the 36 west, working at 12s. in 11, by five men, has very little changed. The shaftmer are atoping a piece of ground in the back of the 56 east, to prove its productiveness for tin, the result of which will soon be known. On Tuesday we sampled 40 tons of ore for November.

of ore for November.

TOLVADDEN.—G. G. Bennett, Fran. Gundry, Dec. 28: The engine-shaft is sunk 10 ft. below the 10; the lode not taken down, the ground sinking favourably. The 10 west is down 15½ fms.; the ore course is 6 in. wide, and no north wall. The 10 east is driven 13 fms. 5 ft. 6 in. through a course of ore yielding 3½ tons tos fm. at present. We have the caunter lode in the end, and a very promising lode cast of it. The 5 east is driven 24 fms.; lode 10 ft. wide—orey. The 5 west is driven 22 fms. 2ft.; lode 9 ft. wide, turning out 5 tons of ore to a fathom. All the other parts of the mine are looking well. Our new engine is working very eatisfactorily.

are looking well. Our new engine is working very satisfactorily.

TREVOOLE.—H. Stephens, Dec. 30: The 50, driving east, is producing 3 tons of copper ore per fm.; the 50 west, 2 tons per fm. The 70 east, good stones of ore, and improving in appearance; the 70 west is opening tribute ground. The 60 east, it ton per fm.; in the 60 west the lode is large, and contains a little ore, but not sufficient to value. The 50 east is disordered by a cross-course. The 40, east and west, is producing \(\frac{1}{2} \) ton each per fm. The 30 west is opening good tribute ground. The mine, on the whole, is looking well, considering the time it has been working. We are about to erect a steam-whim, which, when got in operation, will very much facilitate the works, and enable us to open out the mine advantageously.

TREWANE UNITED.—R. Reynolds, Dec. 29: Since last report the engine-shaft has been sunk 3 ft., which makes it 5 fms. 3 ft. below the 30. A this place a cross-cut is being driven towards the east and west lode, and we are now daily expecting to cut it; I hope in my next to say something about its quality. The north end in the 30 is suspended, so that in future our operations will be confined to a deeper level, where better things may be expected.

TREWATHA.—T Relaxeds We Reve Dec 30: The engine shaft in down 1 fm.

where better things may be expected.
TREWEFIA.—T. Richards, Wm. Rowe, Dec. 30: The engine-shaft is down 7 fms. below the 70, in favourable ground. The 70, south end, is worth 44. per fm. The north end is without othangs. The 60 north is producing some saving work; the winze below this level is for the present suspended, until the 70 north end gets forth under and drains it. The 50 north is poor. The stopes are much as last reported. We calculate getting the new boiler to work the latter part of next week.

TYWARNHAILE.—John Dale, J. Edwards, Dec. 28: The engineers will comp the engine in the course of four weeks from this date; one of the boilers will be o the engine in the course of four weeks from this date; one of the boilers will be complete in the course of next week. The pit and sumpmen are making preparations to drop the pumpwork. We are making a cat-head, which we shall use as capetan until the steam one is fixed. Every branch of work is being done well. Another pare of tributers have taken a pitch in the back of the adit; the other pares are raising a fair quantity of ore, and will get good wages.

WEST BASSET.—Wm. Roberts, Dec. 29: In the 75, west of Percy's shaft, the men have been employed this week putting in tram-road, &c.; they will now commence rising against the 60. In the winze sinking under the 60 the lode is 4 ft. wide, producing 2 tons of ore per fm. Other parts continue much the same as last reported.

WEST PAR CONSOLS.—J. Webb, Dec. 24: I think we are approaching the lode in the 65. The lode in the 45 continues large, producing tin and copper. We shall sell next week about 6 tons of tin, and sample 15 tons of good copper ore. WEST 8HARP TOR.—W. Richards, Dec. 28: The part of lode being cut into in the 70 cross-cut produces some splendid yellow and grey ore, but there is no distinctive leader; the water is increasing. The lode in the cross-cut, east of Morris's engine-shaft at the 110, is very vugby and wet, its character being quariz and oxide of iron, spotted with grey ore, a kindly end, but troublesome to work. We have no change elsewhere.

ehange elsewhere.

WEST WHEAL GRENVILLE.—T. Berryman, Dec. 26: We have opened on the lode in the adit level east and west of the cross-cut from 8 to 9 fms., 6 fms. of which are worth on an average 121, per fm. In the end west of the cross-cut, as I observed in my last, the lode has been disordered by a horse of granite, which has now entirely left, and I hope to see it soon resume its former worth, as it is a very kindly lode. The eastern end is also at present disordered in the same way, therefore, as the lode has just passed through an elvan course; I would recommend rising in the back to prove the lode in and above the elvan course; we have 40 fms. On this lode our neighbouring mine has made a very large profit above the adit level.

WEST WHEAL TOWAN.—Hampton's lode, in the winze sinking below the 3b, has formed a junction with Middleworks lede, and we have no doubt but what it has heaved Hampton's lode up to the north, therefore we are driving the 45, north from Caroline's sant, with all speed, and expect to cut it is a most hor two at the furthest; since we have met with this junction we have holed the winze sinking on this lode to the 45 cross-cut, and are now in a good position to work the ground west of this winze above the heave, which we hope will greatly help our returns. Hampton's lode, in the 25, east of Caroline's shaft, is 15 in. wide, and looking very promising for an improvement, although poor at present. The stopes on Hampton's lode, in the back of the 35, are just the same as when last reported. In the back of the 53, are for the same as when last reported. In the back of the 53, cast of Vivian's shaft, on Good's lode, the stopes are rather improving; we have put 12 men and boys to work at this place, and from our present prospects we hope for the next two months to pay cost.

WHEAL AGAR.—W. Roberts, Dgc. 29: The 60 west of engine-shaft is not through

months to pay cost.

WHEAL AGAR.—W. Roberts, Dec. 29: The 60 west of engine-shaft is not through the oross-course, tode disordered. In driving north on the cross-course good stones of ore are broken occasionally. The 30, east of Winstow shaft, produces stones of ore, lode 1½ ft. wide. Other parts are without alteration.

WHEAL SAL (St. Just).—Tut and tribute pitches set on Dec. 26: The 30 to drive west of White's shaft by two men, at 34. 10s. pr fm.; the 50 ot drive west of Thomas's shaft, on Wheal Bristol lode, by two men, at 44. 10s.; the cross-cut to drive west of Thomas's shaft, to cut the carbona, by two men, at 74. per fm.; Thomas's shaft to sink below the 30 by four men, at 18. per fm.; the cross-cut to drive south of Coulson's shaft by one man and a boy, at 54. per fathom: 16 tribute pitches, working by 41 men; nine pitches at 12s., one at 13s. 4d., one at 12s., four at 16s., and one at 6s. WHEAL EDWARD.—M. H. East. Dec. 30: North Lode: The lode in the 71. east

Thomas's shaft, to cut the carbons, by two men, at 71, per fm.; Thomas's shaft to aik below the 30 by four men, at 131, per fm.; the erose-cut to drive south of Coulson's shaft by one man and a boy, at 50, per fathom: 16 tribute pitches, working by 41 men; nine pitches at 12s., one at 13s. 4d., one at 12s., four at 16s., and one at 6s. WHEAL EDWARD.—M. H. East Dec. 30: North Lode: The lode in the 71, east of shaft, is 5 ft. wide, yielding a little ore, of good quality. The lode in the 71, east of No. 7 wines, its 4 ft. wide, worth 151, per fm.; in same level, driving west of said winze, the lode is 35 ft. wide, worth 151, per fm.; in same level, driving west of said winze, the lode is 35 ft. wide, worth 150, per fm.; in same level, driving west of said winze, the lode is 35 ft. wide, worth 150 ft. 150 f

the same as for some time past.

WHEAL MARGERY.—J. Tregoning, Dec. 30: The American shaft was set to sink below the 70 on Thursday last, by eight men, at 171. per fathom; the lode in it is 2 ft. wide, and worth 301, per fathom for copper. In the 70 east the lode is 1 foot wide, and worth 51. per fathom for copper; price for driving 61. In the 70 west the lode is 18 in. wide, and worth 104. per fathom for copper; driving at 71. In the 60 west the lode is 18 in. wide, and worth 104. per fathom for copper; driving at 71. In the 60 west the lode is 18 in. wide, and worth 41. per fathom for copper; driving at 71. In the 50 east the lode is 18 in. wide, producing good stones of copper, but not sufficient to value; driving at 41. 10s. per fathom. The engine-shaft, sinking below the 50, at 141. per fathom is del 18 in. wide, and worth 61. per fathom for copper. The stope on tin, east of fiat-rod shaft, in the 20, is worth 504. per fathom. The pitches on copper and tin continue just as last reported.

WHEAL MARY EMMA.—W. Doble, Dec. 30: The lode in the stopes is looking

well. On this price of the state of the stat

back of the 37, I am glad to say, is going on improving; at present it is worth 2½ tons of ore per fm.

WHEAL TALLACK.—J. Smith, Dec. 29: Since last report we have taken down 4 ft. of the lode at the engine-shaft; the lode is still about 2 ft. wide, producing good stones of copper ore, and has a very promising appearance; this shaft is now 14 fms. below the 10. In about a fortnight from this time we shall commence driving on the course of the lode in the 25; we shall also in this level drive a cross-cut north, as we think the tin lode is still standing north of the copper lode; this can be proved by driving 6 or 7 fms. The lode in the 10 and cast is still producing jack and copper-opening a very promising piece of ground. Judging from the character of the lode in the adit and 10 fm. levels, I am of opinion that the 25 will be found a much better level than either of them. There is no alteration to notice in any other part of the mine. WHEAL TEHIDY.—D. Lanksbury, Dec. 39: I note 50, driving east and west on the tin lode, we intend breaking down the lode the latter part of this week; in the 50, driving week from the diagonal shaft on the north lode, the lode is 15, the 15, or-ducing 1½ ton of ore per fm. In the 40, driving east from western shaft, the lode is 1 ft. wide, worth ½ ton per fm.; the lode in the 60, driving east ton the caunter, is unproductive. In the 70 on the north lode, near the last winze unk, which communicates the 60 to the 70, we have commenced to drive a cross-cut cout, to ascertain if any more lode should be standing unseen. In consequence of the dry weather we are deficient of water for the stamps; and, therefore, have not been able to return so much tin as we expected in the time.

WHEAL TREBARVAH.—B. Gundry, F. Hosking, Dec. 29: The flat-rod shaft is

been able to return so much tin as we expected in the time.

WHEAL TREBARVAH.—B. Gundry, F. Hosking, Dec. 29: The flat-rod shaft is sunk below the 60 about 3 ft., the lode is improving in appearance, containing a great deal of mundic, spotted with ore. The 60, cast of the shaft, is still producing ore—about 1 ton per fm.; this isveel has now gone through ore ground for the last 8 fms.; the stopes in the back of this level are isoking fully as well as last reported. We have not cut any lode yet in the 20 cross-cut, south from Michell's shaft; we think we must be getting near the run of the old mine lode. The tribute department same as per setting report, with the addition of a few more men since survey day. We have almost 50 tons of ore on the mine since last sampling.

WHEAL UNION.—T. Glanville, Dec. 30: In the 20, east of the engine-shaft, the south lode is worth 20t. per fm. In the 20, west of the engine-shaft, the south lode is 3 ft. wide, producing stones of yellow ore. We sold on Monday last tinstuff to the amount of 116t. 6s. 4d.

wHEAL TREVELYAN.—John D. Osborn, Dec. 26: Thursday last we held our monthly setting:—Watson's engine-shaft to sink below the 50 by eight men, 1 fm., or the month, at 400s. per fm. A cross-cut to drive south from Watson's, in the 50, to cut Richards's lode, by four men, 2 fms., or the month, at 120s. per fm. The 40 to drive east on Richards's lode by two men, 2 fms., or the month, at 80s. per fm. The 40 fm. level to drive west on Richards's lode by two men, 2 fms., or the month, at 70s. per fathom.

at 70s. per fathom.

WHEAL TRELAWNY.—Wm. Jenkin, Wm. Bryant, Dec. 31: Smith's shaft is sunk 3 fms. 3 ft. below the 142; the lode in this level is 3 ft. wide, and worth 15t, per fm. In the 132 north there is no alteration to notice since last report; in the same level south the lode is 1½ ft. wide, and worth 8t, per fm.; the lode in the winze sinking in this level, south of Smith's shaft, is 2½ ft. wide, and worth 14t, per fm. The lode in the 10s, north of Chippindale's, is 2 ft. wide, and worth 14t, per fm. The lode in the 98 north is 18 in. wide, and worth 8t, per fm.—South Mine: The lode in the 142, south of Trelawny's shaft, is 3 ft. wide, and worth 8t, per fm.; in the north end the men are engaged in cutting through the capels of the lode. The lode in the 130 south is 3 ft. wide, and worth 12t. per fm. The lode in the 130 south is 3 ft. wide, and worth 12t. per fm. The lode in the 130 south is 3 ft. wide, and worth 12t. per fm. The stopes and pitches are producing much as usual. We sold, on the 26th instant, 80 tons (computed) of lead ore, to T. Somers, at 22t. 7s. 6d. per ton.

It is with deep regret we have to record the decease of Mr. Thomas Hacker, late of Tavistock-place, Tavistock-square, and Birchin-lane, City, who died suddenly on Monday, Dec. 28, aged 62. Mr. Hacket has been long connected with mining, and at all times ready to promote that interest honourably and legitimately. He was remarkable for his urbanity and general kindness in all departments of life, and his sudden decease is much lamented by a large circle of friends.

FOREIGN MINES.

The Mariquita Company have received despaiches, of which the following is an extract: Santa Ana Minns for the month of Oct.; Cost. \$11,036; returns, \$51,964.—Mankaro Minns: No profit and loss accounts received.—Punnka Minns for Oct.; Cost, \$4133; returns, \$71990.—(The returns from the Santa Ana Minns are the largest yet received.]

The Copiapo Mining Company report for the half-month ending Noy. 15: Canco: In the stopen in old part, eo Circen lods, the lode is not so good as lear reported. In the 30 the stopen in Old part, eo Circen lods, the lode is 20 in wide, but poor. In the 60, west of Harmari's shaft, the lode is 20 in wide, but poor. In the 60, west of Harmari's shaft, the lode is 20 in wide, but poor. In the 60, west of Harmari's shaft, the lode is 20 in wide, but poor. In the stopen in the back of the 40, on south branch, the branch is 20 in wide, yielding 2 tons of 18 per cent. ore per fm. In the chifton, or winze, sinking below the 40, the lode is 15 in. wide, but unproductive. In the stopen in the back, yielding 2 tons of 18 per cent. ore per fm. In the 30, driving east, on north lode, the lode is 10 in. wide, but unproductive. In the stopen in the back, and will yield 6 tons of 15 per cent. ore per fm. In the 30, driving east, on north lode, the lode is looking a little more promising, being 4 ft. wide, and contains strings of ore throughout. In the cross-cut driving north in the 30 the ground is not quite so hard for driving. In the 30, driving east of Harmari's shaft, on north lode, the lode is host so rice and the strip of the state of the 30, the lode being 4 ft. wide, and will yield 4 tons of 16 per cent. ore per fm. In the 30, driving east, on north lode, the lode is improved, being mow 6 ft. wide, and will yield 4 tons of 16 per cent. ore per fm. In the 50, driving east, on north lode, the lode is in proved, being mow 6 ft. wide, and will yield a from 20 in the 30 driving cast, on north lode, the lode in horth pain ground for the state of t

wide, producing I ton of coppor ore per fathom. The raisings for the past month has been—dust, 48 tons; stone, 7; ragging, 6; and precipitate, 4 tons: total, 65 tons.

The United Mexican Mining Association have advices, dated Guanaxuato, Nov. 25:—

Mine or Jesus Maria y Jose.—By our last report, you will have observed that the shaft had attained a further depth of 9½ varas, and I have now the pleasure to inform you that the said work, having been continued without interruption, has attained the level of San Pablo (45 varas b low that of San Maximo, the point from whence the ore has been hitherto raised). Having, as I observe, attained the level of San Pablo, we shall in a few days communicate with this frente, and thas have free access to our lower workings, at a point 45 varas lower than the previous level. That this object has been attained without the necessity of timbering, or any obstruction to the progress of the work, is highly satisfactory, and the importance of the communication now effected will be evident, in the improved ventilation and the more conomical extraction. We have now a depth of 267½ varas in the shaft, and from present calculation and appearances, shall, at a further depth of 10 or 12 varas, cut the vein in ore, and still lower the frente of San Miguel, both under San Pablo; in the dip or inclination of the vein, are in good ore, with a width of from 3 to 4 varas. The frente of San Gabriel, to the south, has a width of from 3 to 4 varas. The frente of San Gabriel, to the south, has a width of from 5 to 6 varas in ore, and the pozo of Dolores, a work most abundant in its yield, fully sustains its character, and is showing very good results. The extraction for the last week has been 1000 carga, and when our shaft attains its lowest depth, and admits of a more economical mode of raising the ore, this extraction will probably be doubled. On Thursday last, 1000 cargas were sold at the mine for \$4207.

Mine or Dolores, —I took the opportunity after the sale of defining, in conjunction with a p

How Magistrates render Acts of Parliament useless.—At Keele Petty Sessions (before admiral Mainwaring, T. F. Twemlow, Dr. Wilson, and R. H. Haywood), Mr. Wynne, Government Inspector of Coal Mines, and Mr. Harding, solicitor, appeared to support three informations against the agent of Mr. J. H. Hesthecto, of Apedale. The information was brought before the magistrates some months since, but on the ground that a certain notice had not been given, the case was dismissed. An application was made to the Court of Queen's Bench for a rule to issue a mandamus compelling the magistrates to hear the matter. The rule was obtained, but the issue of the mandamus adelayed by the illness of the Solicitor-General, and other circumstances. The magistrates maintained that the mandamus did not extend the time within which the action was to be brought; and as more than three months had elapsed since the commission of the offence, they again dismissed the case, appearing particularly pleased with the manner in which they had disposed of the information. Further steps will be taken to try whether the Act is to be infringed by agents with impunity, and whether, when from the course, sken by the magistrates the hearing of the case is more than three months from the date of the offence, the plaintiffs are out of court.

Berrach of Colliery Rules.—At Castle Eden Petty Sessions, John

oneonce, one plaintims are out or court.

BREACH OF COLLIERY RULES.—At Castle Eden Petty Sessions, John Morgan, breaksman at Thornley Colliery, Hartlepool, was fined It. for permitting his fireman to take charge of the engine during his absence, whereby dam age had been sustained by the owners of the colliery to the amount of nearly 11t. It appeared that the engine was not in good repair, and required more than ordinary caution to prevent accident.

UNPENCED SHAFTS.—Messrs. Haines were summoned at Oldbury, for suffering a shaft at the Rowhay Colliery, out of use, to be without a fence, or insecurely fenced, contrary to the Act. A man lost his life, on Nov. 19, by falling down the pit. The case was adjourned for further evidence as to the ownership of the pit.

Colliery Act.—At Blackburn, a collier, John Whitwell, was fined 5t. for employing a boy under 10 years of age. It was his own son, and he was killed by an explosion on Oct. 8. It appears that the deceased was only employed as a drawer during the illness of an eider brother, since dead, and that the defendant was

COLLIEBY ACCIDENT,—At a pit belonging to Mr. Armitage, at Farnley, two men were killed through a rope breaking; they were precipitated 15 fathoms. A verdict of "Accidental Death" was returned, but the management of the mine was complained of, and initiantion given that, if it were not improved, proceedings would be taken on behalf of the Government.

PENCLAWDD COLLIERY .- A letter, dated Dec. 31, informs the direct that the Giylid vein of coal has been reached, and proves to be about 4 ft. thick, a cuts large and hard, and greatly increases the value of the colliery.

FORMATION OF A HUDDERSFIELD ASSOCIATION FOR THE PREVENTION FORMATION OF A HUDDERSFIELD ASSOCIATION FOR THE PREVENTION OF STRAM-BOILER EXPLOSIONS.—On Tuesday evening, a meeting of manufacturers and milliowners was beid in the council-room in the Chamber of Commerce, Huddersfield, for the purpose of takirg into consideration the propriety of forming an association for the prevention of steam-boiler explosions. There was a large attendance of millowners on the occasion, and J. Brooke, Exp. Armitage Bridge, was elected chartman. It was stated that the Manuhosester association refused to admit Huddersfield, for which it would have to provide a seculiar successful that the standard seculiar successful that the standard seculiar successful that the seculiar seculiar successful that the seculiar seculiar seculiar seculiar interests by forming a separate sascciation for Huddersfield and its district, by which means they would have the appointment of their own officers, and have them under their control. A resolution to the seffect was adopted, and a committee was appointed to carry it out.—At the previous meeting owners possessing \$4 boilers were willing to join the Manuhester Association, and if is expected that at least 150 will join an association especially established for the locality.—Manchester Guardian.

M'NING NOTABILIA EXPRACTS FROM OUR CORRESPOND

The past few Wonths have proved disastrous to all kinds of business staking of a spect lative character, and mining property has suffered to a great excit. The present prospects, however, indicate a very considerable reaction shortly, and probably ejecutation will be as rice as ever. It is to be hoped that the public will twist proper caution in their selections for investment. There are plenty of good lass in which money may be laid out to great dvantage. Money becoming easier amout fall to have a beneficial effect on the mining market, and there is every propert of the following mines being sought after at greatly enhanced prices during the resent year:—Wheal Buller, West Caradon, Wheal Edward, North Basset, Vale of consols, East Wheal Rusell, Great Wheal Busy, North Frances, South Cara Brea, kal Tor, West Grenville, Wheal Basset, West Basset, then gone and to the London

WEST ALFRED CONSOLS.—A stone of ore has just been sent to the London office, New Broad-street, for inspection by shareholders and amateurs; it is a fair and good specimen of the ore in the 53, and taken from the load just over where No. 5 winze is going to be sunk. It presents a striking analogy to the stone of ore from Alfred Consols at the Exhibition of 1831, and which was taken from their 70. Alfred Consols reckon their depth under adit (about 18 fans. from surface), West Alfred Consols reckon their depth under adit (about 18 fans. from surface).

WHEAL AGAR is a little old mine, now discontinued, whose working ght be again resumed with every prospect of success. The ground is decomposed anite, near the killas. Good tin has been raised here, and from the quantity of burwa and old workings, the old men must have had great expectations. There is thing left here but the name, their works, and the reputation of former wealth.

Anna Marta.—What's in a name? some will say. This mis called after the Hon. Mrs. Agar, as well as the former, her name being Anna We know not her history, but we know, if she be like the mines—so complimer so deserted—she is to be pitted.

WHEAL POLLARD has been discontinued for some years. The work

went, and norm good examples of the difference between opal, chalcodony, and agate
The GREAT HEWAS United Minns are opening out remarkably well
The 20 fm. level is opening out some good tin ground. The lode in the 36 sast is 3 fm
wide, never better. The 56 is again improving: 16 tons 12 cwts. 1 qr. 19 lbs. of ti
were sold on Dec. 19, which produced 973t. 19s. rd. It is thought that, should the
rise to a fair price, the mines will soon produce 20 tons per month, which would, doubt
less, leave a good profit.

s, leaves good groun.

At Angarrack Consols, the new engine-shaft is communicated with sailt. The ventilation is now perfect, and preparations will be made to take away a ore discovered, and to clear the levels on the course of the lodes.

At WHEAL CONSTANCE, an important improvement has taken place canner lode in the 18 fm. level; it is large, producing lead throughout.

OKEL TOR MINE (Calstock.)—This mine was opened about eight years since, when its appearance was principally for lead ore. A spirited, but sometime struggling, body of shareholders have successfully conducted it through this long period of time to its present highly satisfactory condition, a fine course of cooper being the reward of perseverance, and the prospects for lead are equally good. The last report from the mine states the lode in the 50 fm. level to be very much improved, and let at 68, 84, in 14, on tribute when only producing 4 tons, but it is now yielding 8 tons of good copper ore per fm.

UNITED .- The dividend declared at the meeting held at Exeter, on Dec. 19, is now payable, by order of the committee of manage

Welsh Potosi Mines.—We regret that an article, founded on the ex parte statement of the counsel for the plaintiff, in the attempted action of Clarke v. Dickson and Others, inadvertently appeared in last week's Journal. The plaintiff Diekson and Others, inadvertently appeared in last week's Journal. The plaintiff having been non-suited almost at the commencement of the proceedings, allowed no opportunity for the defendants answering the allegations made; and we all know the liberty which counsel often take, while their speeches are as frequently not supported by the evidence, which in this case was not gone into, but which, we naderatand, the defendants were well prepared with, having summoned a number of the best and most respectable practical authorities, intimately acquainted with the property, who could speak most strongly of its value, and the profitable results to be expected if properly managed. We need only refer to a similar case, which was tried during the same week in the Court of Common Pleas, where charges, at least equally damaging were made, but which so signally failed in the evidence that the Lord Chief Justice stated there was no case for the jury; and the result was really to prove the property to be even more valuable than had been stated. We believe the Welsh Potosi Mines would have been paying large dividends had they been managed with almost any degree of judgment and economy. During the three years the company were in existence, they sold 20,000, worth of ore, although they opened very little new ground, and never saw the bottom of the mine (only 39 fms. below adit): The lode is an unusually rich one, being in places worth as much as from 5 to 8 tons of lead ore per fm. The mines have passed into new hands, and it is probable that they will be developed in a practical manner, and will, in a comparatively shortime, yield the large profits which it is universally admitted they are capable of doing It is notorious that, had they been the richest mines in the world, they could no have paid in the way they were lately worked.

THE COLLIERY STRIKES IN SOUTH WALES .- We received the following information from our correspondent by this morning's post, too late to be appended to his communication, in another column :--

The strikes in this district have been general this week. The notices for the reduction of 5 per cent., in addition to the former 15 per cent., the notices for the reduction of 5 per cent., in addition to the former 15 per cent., expired on Saturday, and the man resolutely refused to work at the proposed prices. As we have stated above, they turned out at the Vartey, Solynos, British (Abersychan), and Pontypool Works, and held meetings, at which resolutions were passed expressive of their determination to keep up the atrike. Since, then, however, a better feeling has prevailed. On Wednesday, the Abersychan men returned to work, and on Thursday those at Varteg followed their example. This day the Pontypool hands are still out, but there is every prospect of their yielding early next week. At Aberdare the men are more obstinate than ever, and no probability of a reconciliation appears at present. About 8000 men are out on strike there, and near 3000 in Moremouthshire.

VE'S PATENT MINE VENTILATOR .- We are glad to learn that this STRUVE'S PATENT MINE VENTILATOR. — We are possible to colliery owners invention continues to gain ground in the estimation of the colliery owners that have been adopted they still and it is a gratifying circumstance that wherever they have been adopted they still continue to be used, and give great satisfaction to both masters and men. We uncontinue to be used, and give great satisfaction to both masters and men. We understand that Mr. W. P. Struvé, of Swansen, has just completed arrangements for erecting two gigantic air-pumps, the pistons of which are each to be 21 feet in diameter, and capable of pumping about 10,000 cubic feet of air cach stroke of the machine. This gigantic ventilator is intended for one of the extensive collieries at Aberdare, in which a large quantity of fire-damp exists, and in which several fatai accidents have occurred. It is estimated that this machine will easily produce a ventilation of from 80,000 to 100,000 cubic feet of air per minute, and thus convert a highly dangerous into a perfectly safe colliery. We think it is highly creditable to the owners of this colliery thus to make such ample provision for the prevention of those calamitous accidents which have been of such common occurrence in this district, and we trust that their example will have a beneficial offect, by inducing the owners of many adjacent mines to increase the amount of ventilation, so as to render the collieries safe, and avoid the frequent recurrence of those dreadful explosions for which, of late years, the Aberdare Valley has been so notorious.

VALUABLE ANTHRACITE COAL .- TO BE LET, under the ANTHHAULE UVALL—EU BE LEF, under the farms called Lladrog Mayr, Lladrog Fach, Ty Canol, Branwithaw, Celdrim, i Wern, the following valuable SEAMS OF COAL, or some of them may be worked for these properties:—The Wain Fynnon, the Drap, Graigog, Green, Big Seam, rd, and Two Feet Seam, varying from 2 to 9ft, thick. The situation of these farms he reference to the Gwendracht Canal and the South Wales Railway, afford an eavy amunication to the ports of Pembrey and Kidwelly, as well as to the interior of gland.—For further particulars, apply to Messra. White, Beoughton, and White, icitors, 12 Great Marlborough-street, W., London; Mr. Grorge Goode, Carmarn; Mr. W. P. Strauze, C. E., Swanses.

ICKEL ORES.—THE GAP MINING COMPANY OF LANCASTER, county Pennsylvania, are now ready to CONTRACT for the SALE of from 19,000 to 29,000 tons of NICKEL ORES, in lots to suit purchasers.—Address, F. S. Horschark, Secretary Gap Mining Company, 70, South Third-street, Philadelphia, Pennsylvania, U.S.

RONFLOYD MINING COMPANY (LIMITED)—Notice is hereby given, that the REGISTERED OFFICE of this company is REMOVED ind is NOW SITUATE or from 2, Spread Esgle-court, Royal Exchange, London, to and is NOW SITUATE on the MINE, in the parish of Lianbadarn-fawr, near Aberystwith, in the county of Cardigan. And all documents, transfers, and notices of whatsoever description, are to be addressed to, left with, or served upon Capt. Michael Barbary, the resident agent there. By order of the Board of Directors, 13, Clement's-lane, London. JAMES IVES, Solicitor to the Company.

TUBERT UNITED MINES,-NOTICE -ALL PERSONS having any CLAIMS on these MINES are requested to SEND THEM in writing, on or before Saturday, the 16th January next ensuing, to Mr. W. C. Foulkes, 58, Old Eroad-street, London. The company's affairs being about to be wound-up, no claim can be admitted after this notice.—Dated Dec. 28, 1857.

MESSRS. FULLER AND CO., 51, THREADNEEDLE STREET, LONDON, continue to TRANSACT BUSINESS in BANKING, MINING, and RAILWAY SHARES, many of which will pay 20 per cent., with every prospect of increasing considerably in value.

Since calling attention to a few mines, the following rise in value has taken place:

-Craddock Meor, £30 to £40, being £10,59; Calstock Consols, £3½ to £5%, or £12.888; East Wheal Russell, 10s. to £3, or £10,000; Wheal Edward, £4 to £7, or £12.184; to tall increase in value £45.582, and still rising.

£12.888; East Wheal Russell, 10s. to £3, or £10.000; Wheal Edward, £4 to £7, or £12.144; total increase in value, £45,552, and still rising.

Mesers. Fuglar and Co, have FOR SALE Dividend Shares, much below their real value, and must increase in price; also, a few shares conducted on the Limited Liability Act, which in a short time will become a safe dividend property; also, Shares in the leading Banks, and £2000 Railway Bonda.

Every information afforded at the office, between Ten and Five. Communications

UNITED STATES OF AMERICA.—DUPEE, PERKINS, SAYLES, ROSTON, MASSACHUSETTS, BEOKERS for be PURCHASE and SALE of STATE, CITY, and RAILROAD SECURITIES, MANUFACTURING and BANE SHARES, give particular attention to the MINING COMPANIES OF LAKE SUPERIOR, and furnish reliable information concerning them.

[Dupas, Perrins, and Saters refer to the Editor of the Mining Journal.]

Che Mining Market; Brires af Metals, Ores, &c.

METAL MARKET, London, January 1, 1858. 10%-11 Quickstlvanp. 15.0 2 0-23 15 0-24 0 22 10 0-23 0 ough cake BING. . 34 0 0-TIN. ditto Hoops ditto Sheets, single Pig, No. 1, in Wales Refined metal, ditto. Bars, common, ditto Ditto, railway, ditto litto, Swed. in Lon... Yellow Metal Sheathing ... p. 1b. 104 -English Pig
Ditto sheet
Ditto red lead...
Ditto patent shot
spanish, in bond
American AD.
21 10 0-22 0 0
..... 25 0 0-28 5 0
..... 24 10 0-24 15 0
..... 27 0 0-30 0 0
..... 26 0 0- —
..... 21 10 0-22 0 0 Wetterstedt's Pat. Met.... p.ewt. 2 2 0 Stirling's Non-lamina-ting, or Hardened, Surface Rails.p. ton Stirling's Patent | Glasg. - 5 5 0 | Toughened Pigs | Wales 4 0 0 - 5 5 0 Baass (sheets)p. ib. 11d. 104 d.-11d. Indian Charcoal Pigs | -- 7 10 0

REMARKS.—The general state of our market has not undergone any particular alteration; an improved feeling, however, seems to be mani-esting itself, and probably an increased amount of business will very

festing itself, and probably an increased amount of business will very shortly be transacted.

COPPER.—Shipping orders have been given out more freely for sheet and sheathing; at the same time, enquiries for cake have been very moderate, and in consequence of the large quantity of this description now on the market prices assume a declining tendency. Unless the demand much improves sellers will, perhaps, have to make further concessions.

IRON.—The market continues to maintain the slight improvement in prices that has been obtained in rails, but the enquiries are still of a very limited character, although the general condition of things wears a more cheering aspect—several orders for which many of the ironmasters have tendered remaining in abeyance, at the same time will, doubtlessly, be put in hand shortly. In merchant bars there has not been much doing this last week, but orders are only temporarily suspended; we shall probably have a good enquiry spring up at the end of the month. Swedish bars remain as previously quoted. In Scotch pigs there has been a gradual improvement, but not of any great importance, sellers quoting on 'Change to-day 52s. to 52s. 64., mixed numbers, cash, g.m.b., f.o.b. in Glasgow.

LEAD.—Pig is obtainable at 10s. per ton reduction, and in Liverpool 10s. to 15s. per ton. Spanish not so much enquired for at the moment.

Spellers.—During the past week sales have been made at 23l. 15s. Sellers, however, to-day are somewhat firmer, and hold out for 24l. Consumers buy sparingly, and shippers have neglected the article.

TIN.—In English there is no alteration; foreign is a shade better, and worth 40s. to 60s. per ton more than this day week. Banca is in request, at 100s. per owt, but no sellers under 102l. to 104l. Straits nominally 102s.

TIN.—PLATES.—Makers' prices are for the most part without variation, Steel.—Swedish keg is quoted 22l., hammered quality.

QUICKSILVER.—Sellers quote 2s. per lb.

Livesfool, Dec. 31.—During the past week our metal market has assumed a more satisfactory ag

STEEL.—Swedish keg is quoted 22%, hammered quality.
QUICKSILVER.—Sellers quote 2s. per lb.

LIVERFOOL, DEC. 31.—During the past week our metal market has assumed a more satisfactory appearance, an increased enquiry being observable. Orders for Iron are being received from America, although at present they are but small; still a return to confidence is implied, which is in itself encouraging, and with growing ease in the money market, togs in itself encouraging, and with growing ease in the money market, together with the present comparatively low prices of all kinds of Iron, it is not unreasonable to look forward to a prosperous new year. For Welsh Bar-iron the demand is improving, and prices are consequently a shaddarmer. In Staffordshire Iron, a reduction of 20s. per ton was decided upon at the preliminary quarterly meeting of ironmasters, held yesterday, at Dudley, and consequently orders which have been kept back in anticipation of this fall will now be given out. Scotch Pig-iron has improved in price during the week, to the extent of 1s. 6d. per ton, and some business has been done on open time. The shipments are 7073 tons, against 7037 tons for the corresponding week of last year. From the circulars just issued, the stocks appear to have increased considerably during the year, being 166,000 tons, against 38,000 tons at this time last year, when the price was 73s. 6d. per ton, or 21s. per ton above the present rate. The demand for Tin is very moderate; prices remain unchanged. For Tinplates there is more enquiry, and a better feeling exists; in fact, prices are, if anything, a shade firmer. For both Copper and Lead we have a dull market, and prices are nominal. The following are the quotations:

—Iron: Merchant bar, 64. 10s. to 64. 15s. per ton.—Tin: Common block, 1084. per ton; common bar, 1094; refined block, 1114.—Tin-plates: Charcoal, IC, 31s. 6d. to 32s. 6d. per box; coke, IC, 26s. to 27s.—Lead: English sheet, 23t. 10s. per ton; English pig, 22t. 5s.—Copper: Cake and tile, 107t. 10s. per ton; best sel

ton; spring, 181. to 241.; cast and shear, 501. to 601. per ton.

GLASGOW.—Though the year 1857 marks the decennial period of commercial disacters, yetithas proved upon the whole a prosperous one to the iron trade, in which—notwithatanding severe monetary convalsions, and a fall in value of about 30s. per ton—not a single failure or auspension has occurred. It may be here appropriately stated that since 1847 the immense transactions in the article have principally been conducted upon cash principles, and but in few cases was dominion of the iron, or the warrant which represents it, given until the money was paid. Hence the continued soundness of the trade, and its immunity in a great measure from those evils which have recently so afflicted several other branches of commerce. Owing to the high prices which prevalled during the last five years, having averaged 70s. 6d. per ton, combined with the great expenditure of the Governments of the United Kingdom, France, and Russia, in the late war, and the progressing development of the railway system over the world, the production was greatly simulated, and amounts in the year just closing to the unprecedented quantity of 915,000 tons. Notwithatanding the local consumption and exports, foreign and construe, having reached 843,000 tons, the stocks have considerably increased, and are now (the stock of Carron not included, which is about 30,000 tons) 160,000 tons, against 88,000 tons 12 months ago. The highest price during the year was in June, when it touched 88s. for mixed numbers, and 87s. for No. I Gartsherrie. The reduction in wages of its, per day unbmitted to lately by the colliers and miners lessens the coat of production shout 7s. per ton; and the makers generally have been selling at 58s. down to 48s. 6d. Bars, rails, and almost every kind of manufactured iron contuning in a depressed state, a few of the malleable iron works have been selling at 58s. down to 48s. 6d. to 43s. 6d. Bars, rails, and almost every kind of manufactured iron continuing in a depressed state, a few of the malicable ironworks have been stopped for want of orders. The iron founders, too, are much slacker, and the local consumption has, in consequence, fallen off considerably. Whilst the year closes gloomy enough, and the prevailing distress in the manufacturing districts may yet be despened; still, with the Indian insurrection virtually quelied—with returning confidence and reviving activity, already felt at home and abroad—and with cheapening money, consequent, among other causes, upon the influx of gold, it is gratifying to anticipate the rapid restoration of commerce to its sound and legitimate channels, and the progress of that enterprise which always show sitself in the demand for iron, the consumption of which is an infallible guage of material prosperity.

NEW YORK, DEC. 9.—The demand for all kinds of iron is quite limited; the trade only purchase from hand to mouth to supply their most urgent wants, and at prices which wou'd be no real guide to the market for large lots. Seatch pig commands \$23 to \$29, six months, for lots of two, three, and five tons, but if whole parcels were pressed on the market the article would not command \$23 to \$29\$, six months, for lots of two, three, and five tons, but if whole parcels were pressed on the market the article would not command \$25\$, and cash buyers can be accommodated at \$22. None of the principal importers, however, are anxious sellers at these low rates. Common and refined bars are still uncalled for, and quotations are altogether nominal. The trade are being supplied at \$52 and \$62, six months, respectively, but no whole parcels could be placed at anything near these figures. English sheets range from \$\frac{1}{2} \cdot 0.00 \text{ for singles, doubles, and triples.} NEW YORK, DEC. 9. - The demand for all kinds of iron is quite limited

PARIS, DEC. 31 .- The further reduction of the Bank rate of discour FARIS, DEC. 91.—The further reduction of the Bank rate of discount to 5 per cent has been greated with but a very feeble improvement on the Stock Exchange, which fact, when coupled with the very sensible advance in English securities, has been taken by many as a proof that the state of the market does not entirely depend upon the rate of discount, and that confidence cannot be created and main tained by simply making money cheap and abundant. The metal markets cannot ye have felt any amelioration from the Bank measure, for they are inordinately calm which may, however, be partly accounted for by the season of fee year; retail trader in hardware goods are just now more intent on taking stock and balancing account than in giving orders. And this state of things will, consequently, last till about the

middle of January. However, the dead season has not been without a certain seti-vity hitherto, for most of the ironworks have been kept going. Confidence in the ap-proaching season has been stimulated by enquiries after pigs, which still stand at 64.4s. 2d. per ton, but no sales have been effected. Rolls are firm at from 13/, 16s. 8d. to 18/4 et. 2d., according to the importance of orders. Champagne irons (charcoal) are suffering from the competition of coke, or Moselle irons; the latter sells at 11/, 12s. 8d., are auffering from the competition of coke, or Moselle irons; the latter sells at 11/, 12s. 8d., are auffering from the competition of coke, or Moselle irons; the latter sells at 11/, 12s. 8d., at the nearest railway station. Nail rods are stationary at 14f. for No. 21, and 14f. 8s. 8d., at for No. 20. Copper is quoted—Russian, at from 1904. to 1824; Lake Superior, 102/, to 112f.; Chill, 104f. to 108f.; and Corocoro, 116f. per ton. Tin—Banca, 118f. to 120f.; Straits, 114f.

MINES.—The mining share market has shown more activity this week, from, we think, perfectly natural causes. For some months past, owing to monetary affairs and the fall in metals, a great depreciation has taken place in the value of most shares; and now that money is fast flowing into the country, with a prospect of Consols being at par, and money at 4 per cent. before long, there will be an increasing demand for good mining property, and already those who had sold during the panic are buying back.

cent. before long, there will be an increasing demand for good mining property, and already those who had sold during the panic are buying back. As the state and prospects of the market, and of all the principal mines, are entered into in the full and comprehensive Review of the past year, published in this day's Journal, we need not refer to them more particularly in this place, and would merely remark that those interested in the mines, as well as those seeking for investments, will find not only past events entered into, but the expected points of interest to come off given with great care and minuteness.

During the week the demand has chicfly been for Trelawnys, which have advanced from 23½ to 26½, 26, owing to an improvement in the 142, and the prospect of a dividend of 2½ per share in January. Clijah and Wentworth have advanced to 6, 6½; Mary Ann shares have been flat, at 44 to 44½; West Grenville, 4s. to 5s.; Grenville, 1½ to 1½; East Basset, 90 to 92. Wheal Margery more enquired after, at 7 to 8; the stopes on the tin lode have improved to 60½ per fm., and altogether the prospects of the mine have considerably improved. Wheal Edward, 6½ to 7; South Bassets have advanced to 6, 6½; Bassets enquired after, at 145 to 150; Herodsfoot, 6½ to 7, buyers. Grambler and St. Aubyn, 80 to 82; the mine is still improving in the 36. North Frances in demand, at 9 to 9½. West Frances, 16 to 17; at the present low price these shares are considered worth looking after. Yarner, 1½ to 1½; a considerable amount of business has been transacted in these shares, and the mine spoken well of. Whoal Hender, 2 to 2½, and enquired for; East Alfred, 2 to 2½; Pendeen, 3½ to 3½; Sortridge, 1½ to 1½; Trewtha, 2; East Gunnis Lake and South to have improved; South Caradon, 340 to 350; Vale of Towy, ½ to ½; West Basset, 22 to 23, and enquired for; Wheal Kitty, 12 to 13, very flat; Condurrow, 80 to 95; Great South Tolgus, 14 to 15; North Basset, 12 to 12½; Alfred Consols, 12½ to 13; Great Alfred, 3½ to 4½; Bedford United, 6 to 6½; Great Ba

Mining Exchange Official List of transactions during the week :-Mining Exchange Official List of transactions during the week:—

MONDAY.—Alfred Consols, 12%, 13, 13\forall ; East Alfred, 2\forall 1s, 2\forall 1s, 6\forall 2\forall 2\forall 1s, 2\forall 1s, 6\forall 2\forall 1s, 2\forall 1s, 6\forall 2\forall 1s, 2\forall 1s, 6\forall 2\forall 3s, 6\forall 3s, 6\forall 4s, 4\forall 4s, 4\forall 4s, 4\forall 4s, 6\forall 4s, 7\forall 4s, 6\forall 4s, 7\forall 4s, 6\forall 4s, 8\forall 4s, 4\forall 4s, 6\forall 4s, 8\forall 4s, 6\forall 4s, 6\forall

On the Stock Exchange, the following business has been transacted:—
MONDAY.—Alfred Consols, 12½, ex div.; Great Wheal Vor, 1½; North Frances,
8½; Wheal Edward, 7.
TESDAY.—No quotations officially marked.
WEDMENDAY.—South Wheal Frances, 220; Wheal Edward, 7.—Transactions,
though not officially marked: Wheal Edward, 7; East Russell, 2½ to 3; Vale of
TOWY, ½; Sortridge Consols, 1½; Lady Berths, 17s. 6d. to 18s. 6d.; Alfred Consols,
12½; Great Wheal Vor, 1½ to 1½; Wheal Trehwny, 2312½; Great Wheal Vor, 1½ to 1½; Wheal Trehwny, 2312½; Great Wheal Vor, 1½ to 1½; Sortridge Consols, 1½ to 1½; Imperial BraTHUREDAY.—Alfred Consols, 12½; Sortridge Consols, 1½ to 1½; General Mining
Association of Nova Scotia, 13½ to 15; Ponigiband, 4½; Santiago de Cuba, 1½ to
1½; United Mexican, 4,4½, 4½.
FRIDAY.—North Wheal Basset, 11½; Wheal Edward, 7 to 7½; Wheal Trelawny,
25; St. Joh del Rey, 12, 1½; 11½; 1½; Brazilian Land and Mining, 2; Cobre
Copper, 39, 39½, 40; Copiapo, 11½ to 11½; Santiage de Cuba, 1½, 2, 1½; United
Mexican, 4½ to 4½. On the Stock Exchange, the following business has been transacted :-

The Sales of Copper Ore at the Swansea Ticketings, during the quarter

ending December,	1857, were a	s follows :-	-				
Date	Standard.	Produce.	Tons of or				
Oct. 6	£125 17 6	1116	1149 .	*********	£13,471	9	6
37	114 16 6	15%	1991 .	*********	31,400		
Nov.10	107 12 0	16	1034		15,467	19	0
, 24	105 19 6	143	1055		13,639		
Dec. 15	111 60	1216	1313	*********	15,164	11	6
Dec. 19	al for the quarte	_	6542		£89,144	2	6
Tot	al for the quarte		11780	***********	172,852		
Dit	to, ending Septe	mber	11789	**********			
Dit	to, ending June	**************	9350		143,702		
Dit	to, ending Marc	h	9976		169,320		
Tot	ol for the year	•	87657		6575,019	14	0
- 100	quarterly averag	- 01	9414	**********	143,754	18	6
Correspond	ing quarter, Dec	., 1856	9471		142,474	8	0

The true cause of the falling off in the present quarter was fully ex-plained in the Journal of Dec. 19.

The Sales of Copper Ore at the Cornwall Ticketings, during the quarter ending December, 1857, were as follows:-

Dat		, -	Av. ata	and.	Pre	oduce.	Pr	ion.		To	ns or	e. 1	ine e	юр.		Amou		
Oet	1		6142	19		6%	£6	7	0		3935		250	17	*****	£25,033		
		******		10		6¥	6	12	0		4158	**** *	279	8		27,547		
		******				614		13	6		4982		304	10	******	28,287		
		*****				6%	-	14	0	******	2710		173	18	******	15,576	13	6
Nov.						634					3104					18,950	9	6
						616		17	6		4703		288	8	*****	22,993	12	6
						616					5056						9	6
		44410				634		4	0		3335		213	1		17,369	8	0
		****				6%					3000						11	6
		*****				6%					4095						4	0
		*****				6%		4	0		4339	*****	276	8		22,591	17	6
		*****		5		614	5	10	6		1978	*****	128	5	*****	10,882	2	6
59		*****																
		Te	tal for	the	qua	rter		****		4	15,395	*****	2899	19	4444	£252,517	- 6	a
		Di	tto, er	ding	Sep	ptember	1,814	****	0.040	4	15,676	*****	2911	11	100000	287,782		6
		Thi		Aine	· In	no.					50.972		.3155			971'041	-	
		Di	tto, er	nding	Mi	reh	91000	0000		4	19,755	*****	.3152	17	*****	349,124	1	. 0
						-				. 11	91.79		13182	14	£	201,271	1	5 0
	-	To	ital for	the	yes	A TOTAL	at	01030	***	******	17:94		3011	13	16	300,317	1	8 3
	Sh	OWI	ng a q	uaru	er's	average	18	#.R		******	48.33		3287			316,590)	1 0
	C	rres	pondi	ng qu	art	er, Dec.	, 10	1-1-		******	abo t	haa	mart	arl	e ret	urns re	gu	ar
1 1	Ha	With	re Table	nn ce	0718	iderabli	e Di	BLETT.	-	co m	are u	ne q	TRIBLE OF	40.0	,		9 -	

naving taken considerable pains to make the quarterly returns regular and correct, our remarks thereon equally so, and constantly invited our readers to carefully peruse the same, we have but little further to add. The present returns in every respect are in the decreasing order—for in-

stance, the Cornwall and Devon mine	s show		Pine :			Amou		
For December, 1856	48,334		3287 2899			£316,599 252,517		6
Total short	2,939	*****	387	7	*****	£64,081	16	6
Sale of ore on Oct. 1 (6% produce; standard, 1421, 19s.; av. price per ton, 61, 7s.)	3,935	a + 0.000)	250	17	*****	25,033	14	0
Sale of Dec. 17 (same produce; standard,	4,339		. 276	8	*****	22,591	17	

This latter sale, therefore, shows a difference of 11. 3s. per ton on 4339 tons of ore, then sold, or 4989%. 17s. less received by the miner in the short period of ten weeks. And be it remembered that this is only for one sale, there being twelve in every quarter of the year. This fact alone will have a tendency to decrease the dividends on the profitable mines, impede the a tendency to decrease the dividends on the profitable mines, impede the prosecution of many of the progressive ones; and, on the other hand, cause many that have been losing money, whilst the standard was at its zenith, to be abandoned altogether, and thereby lessen the future sales of ore at the Cornwall ticketings. Comparing the long list of mines that

sold ores—as published in our last Jouracl—with that to the end of Sept., with three, or four exceptions, the mines generally have sold less now than they did then. We do not, therefore, anticipate any further drop in the standard; on the contrary, look for an improvement at a very early date; for, in 1852, when cake copper was at the same price as it is now, the standard was considerably higher than that at the last ticketing.

One other subject requires the attention of shareholders at this critical moment, and that is the prompt payment of calls in the progressive mines, many of which must break down otherwise, and prove a total wreck; whereas a trifle further time to fully develope, and additional funds to meet the costs, are likely to repay the shareholders with interest for all their anxiety and outlay.

The following are the Government Returns of the exports of articles identified with mining, the produce and manufacture of Great Britain, for the month ending November 30, and also as compared with the corresponding month of 1856; extracted from the "Accounts relating to Trade and Navigation," published by the Board of Trade:—

DECLARED VALUE	e ron the	1856.	840	Ma Nova	1857.	In	grenan.
Coals and culm Hardwares and cutlery Machinery:—Steam-engines		196,597		£	253,514 315,092	£	
other sorts	191,516 172,249=		***	250,262=	~	***	21,19
Total Less d	ecrease, ha	841,916 rdware	****		863,562	£	78,116 56,47
Metals: - Total		**********	*****	**************			21,646
Iron - Pig	119,002		£	108,919		********	21,020
Bar, bolt, and rod	454,738		***	386,892			
Wire	23,591		***	31,962			
Cast	79,216		***	60,429			
Wrought	329,410-	1,009,75	2	321,454=	911,656	3	-
Steel, unwrought	**********	70,966		*******	39,190		-
Copper-Unwrought	5,246		***	82,906	,		
Sheet, nails, &c	159,720		111	109,338			
Wrought	15,261 =	225,227	***	51,330 =	212,494		17,263
Brass	***********	14,415			15,135		720
Lead, pig, sheet, shot, &c	40,899		***	25,613	,	,	
Lead ore, litharge, &c.,	15,818 =	56,717	***	7.777=	33,390		
Tin, unwrought	17,555		***	17,381			
Tin-plates	136,260-	153,815	***	53,592=	70,973	***	
Grand total		2,369,808		6.5	2.176.409	7	200 000
Doorease-iron, 95,096t.;	stool 31.7	661 · 100	4 99	2277 . 410	00 0401	***	000,000
1100, 05,000.	accourt orti	oor. , 10a	u, 20	,ozer.; un	, 02,0126.	= :	233,03
				*******		Seem	

Mines.		r sh			Amo	ant,	
Linares	£0	5	0	**********	£3750	0	-
West Seton	- 8	0	0	*********	3200	0	-
Isle of Man		0	0	**********	2560	0	i
Wheal Mary Ann	- 2	- 5	0	***********	2304	0	ì
Wheal Basset	4	0	0	******	2048	0	ì
Great South Tolgus	0	5	0	**********		ő	ì
Eyam	1	0	0	*********	1400	0	ì
Lisburne	3	0	0	***********	1200	0	
Alfred Consols	0	4	0	**********	1024	0	7
East Daren	3	0	0	**********	900	0	,
Polherro	0	10	0	**********	886	0	ì
Collacombe	0	8	0	*********	400	0	ì
Exmouth	0	2	6	*************************		5	ì
Cwmystwith	5	0	0	* #1100.0000		0	ì
Botallack	3	0			600	0	ì
Calstock Consols		-9	ě	**********		15	
Bedford United			0	**********	400	19	9
East Pool		10	0	***********		-	9
.4010		10	U	*********	004	0	•

At Redruth Ticketing, on Thursday, 3745 tons of ore were sold, realising 22,4171. 1s. 6d. The particulars of the sale were—Average standard, 1231. 3s.; average produce, 7k; average price, 5l. 19s. 6d.; quantity of fine copper, 265 tons 13 cwts. The sale on Thursday will be 3492 tons.

At Liverpool, on Tuesday, Mr. Lewis sampled 112 tons of Canadian copper ore, and 25 tons of Chilian ore and regulus, for sale on Jan. 8.—
On the same day, Messrs. Ross Brothers sampled 57½ tons of copper ore, ex Augusta, for sale on Jan. 12.

The arrivals at Swansea include-From Cuba, 600 tons of copper ore.

At East Pool Mine meeting, on Monday, the accounts showed—Balance last audit, 9s.: ores sold Oct., 1980l. 1s. 7d.—1980l. 1ss. 7d.—Mine costs and mer chants' bills, Oct. and Nov., 1659l. 3s. 6d.; leaving balance in favour of adventurers 32tl. 7s. 1d. A dividend of 320l. (2l. 10s. per share) was declared.

At Calstock Consols Mine meeting, Dec. 23 (Mr. Wm. Dowey in the chair), the "secounts showed—Balance last audit, 586f. 8s. 6d.; fines on forfeited shares, 1f.; ore sold, 677f. 13s. 7d.=1285f. 4s. 1d.—Mine cost, merchants' bills, and Duchy d'ace for Sopt., 230f. 6s. 4d.; Oct., 137f. 15s. 3d.; leaving balance in favour of adventurers, 847f. 2s. 6d. A dividend of 507f. 15s. (2s. 6d. per share) was declared. In the estimated accounts of receipts and payments to be made before the meeting in March next, the balance in favour of the mine, after payment of the dividend, was 754f. 7s. 6d. Capt. Collom's salary was increased from 3f. 5s. to 7f. 7s., and Captain Jeanings' from 5f. 5s. to 6f. 6s. per month. Capts, W. B. Collom and B. Dunstan reported that the engine-shaft was sinking in favourable ground to a 2f fathom level, which they expect to reach by the end of February. Should the lode continue as productive as it is in the 12 fathom level, about 5900f. worth of ore will be laid open between the two levels, at a distance of only 17 fathoms east of the engine-shaft. In the 20, above adit, they were opening tribute ground, and hoped shortly to see the lavels filled with able and profitable labour. On Tuesday they sampled 100 tons, or good quality ore, and calculated the next two months would return 160 tons, worth 1100t., at a cost not exceeding 500f. and they anxiously look forward to the time, which they believed was not far distant, when the dividends would be increased.

At Wheel Arthur meeting, on Thursday, the accounts showed—Balance

1100s., at a cost not exceeding 500l., and they anxionally look forward to the time, which they believed was not far distant, when the dividends would be increased.

At Wheal Arthur meeting, on Thursday, the accounts showed—Balance last audit, 524l. 12s. 8d.; calls received, 659l.; black tin, 93l. 6s.; copper ore and earriage, 200l. 15s. 1d. =1513l. 13s. 9d.—Mine cost and merchants' bills, Oct. and Nov., 535l. 12s.; merchants' bills, August and Sept., 172l. 4s.; London expenses, 43l. 19s. 4d.; Wheal Edward, 33ll. 5s. 3d.: leaving balance in favour of the mine, 430l. 5s, 5d. The reports from Capts. Pope and T. Carpenter were read, the committee, and auditors re-elected, and resolutions passed to enforce payment of arrears of exil through the Stannaries Court, and to work the eastern part of the mine, by means of flat-rods attached to the engine. In the course of the proceedings, the Chairman announced the satisfactory termination of the question with the Wheal Edward Company, and the reduction of the dues by the Dochy of Cornwall from 1-15th to 1-30th, during pleasure.

At Devon and Courtenay Mine meeting, on Dec. 22 (Mr. W. B. Harvey in the chair), the accounts for Oct. and Nov. showed—Balance last audit, 197l. 9s. 9d.; mine cost, 290l. 2s. 3d.; merchants' bills, 17l. 13s. 10d.; 35l. 5s. 10d.—By call, 37ll. 12s. 6d.; calse of ore, 75l. 7s. 2d.: leaving debit, 137l. 6s. 2d. A call of 1s. 6d. per share was made. Capt. T. Bawlen hopes the next sampling will be 25 to 30 tons, worth about 120l. A small parcel of lead ore, valued at 30ll., is on the mine.

At South Wheal Seton meeting, on Tuesday, the accounts showed—Balance last audit, 144l. 2s. 7d.; mine cost, 8ept., 127l. 13s. 1d.; Oct., 16ll. 11s. 6d.; merchants' bills, 224l. 18s. 3d.; engine, boller, &c., 500l.=1153l. 8s. 7d.—Call received, 500l.: leaving balance against advanturers, 33sl. &s. 7d.—Call received, 500l.): leaving balance against advanturers, 33sl. &s. 7d. A call of 30s. per share was made. Captain Enoder Higgins reported that Marriott's shaft was

share was made. Captain Enoder Higgins reported that Marriott's shaft was now 5 fms. below the adit level—sinking by eight men, at 22. per fm; the lode in this shaft was 5 ft. wide, composed of spar, prian, gossan, mundle, and occasionally spots of ore, of a very promising character.

At Carnyorth Mine meeting, on Doc. 14, the accounts showed a balance against adventurers 5981, 10s. 10d. The expenditure for July, Aug., and Sept., was 2410.5.s. 54., and the tin sold amounted to 2433. 9s. 6d., showing a profit on the quarter of 33l. 4s. 1d. Capts. John Carthew, Wm. Trembath, and John Wallis, reported that they considered the discoveries recently made were most excellent. Mr. Richard Pearce also reported that they had erected machinery at an expense of nearly 4000l, without calling upon the shareholders for a single shilling, and it was only the fall in the price of tin that caused them to be in debt.

At Wheal Sidney meeting, on Dec. 23 (Mr. W. T. James in the chair), the accounts for Oct. and Nov. showed—Mine cost, 437l. 4s. 9d.; merchants' bills, 105l. 9s. 9d.; duce, 29l. 12s.; over estimate for tin in lest account, 38l. 1ls. 8d. = 706l. 17s. 2d.—Balance last andit, 258l. 16s. 9d.; arsonic, 24l. 2s. 6d.; estimated value of this sampled, 300l.: leaving debt, 119l. 17s. 11d. In common with other mines, Wheal Sidney has suffered by the fall in the value of ore. The upper stopes have not yielded so well, and the increase of water in the bottom leved has retarded operations; but the machinery and surface works are progressing satisfactorily.

At Wendron Consols meeting, on Dec. 22, the accounts showed—Ba. lance last andit, 15d. 13s. 5d.; tin ore sold, 3345l. 5s. 7d.—39994, 19s.—Labour cost, Aug., Sept., Oct., 2500l. 0s. 4d.; merchants' bills, 977l.; rent of stamps, 49l.; Stamaray and Jord's duce, 303l. 3s. 3d.: leaving balance in favour of mine, 178l. 1bs. 5d. Capts. T. Bray, R. Perry, and E. Jonkin reported very fully on the workings, and stated that there were il pitches, varying from 8s. to 13s. 4d. in 1l. Person

At Copper Hill Mine meeting, on Tuesday, the accounts showed—Balance from last audii, 731. 48. 3d. in line cost and merchants' bills, Oct. and Nov.
1818. 08. 4d.—2389l. 4s. 3d.—Orce sold Nov. (less dauge), 903. 7s. 4d.: materials sold
354. 198. 4d.; calls received, 1289l. leaving balance against mine, 897l. 17s. 2d.
At Lambest Consols meeting, on Monday (Mr. W. Hioks in the chuir),
the accounts showed balance against the nine 430l. 13s. A call of 3s. per share was made.
At Lambest Consols meeting, on Monday (Mr. W. Hioks in the chuir),
the accounts showed balance against the nine 430l. 13s. A call of 3s. per share was
made. This sett is east of Trelawys and Mary Ann Mines, in juxta-position to the
former, and possesses several paralel lodes similar in character and appearance to
those now rehly-productive mines. Since the meeting an important discovery past
for some time past. Had this not been a period (the end of the year) when people,
taken place of a north and south jode at the shaft, 20 in, wide, of a very good appearance, composed of barytes, flooran, and good spots of lead.

At Wheal Julian meeting (Ar. Hicks in the chair) the accounts showed
that the latter of these was worth 390l. per fan for tim, and the main
lode, which is very large, produced stamping work of good quality. They might calculate on having a very rich piece of tirm, and the main
lode, which is very large, produced stamping work of good quality. They might calculate on having a very rich piece of tirm, and the main
lode, which is very large, produced stamping work of good quality. They might calculate on having a very rich piece of tirm, and the main
lode, which is very large, produced stamping work of good quality. They might calculate on having a very rich piece of tirm, and the main
lode, which is very large, produced stamping work of good quality. They might calculate on having a very rich piece of tirm, and the main
all the requirements for rich piece of tirm, and the main
all the requirements for dressing were on the

shaft was completed, which would be in about three weeks, they would be in a position to increase the returns, and soos clear the books. Capts. G. G. Bennett and F. Gundry reportedithat the mine was booking well, and the new engine-shaft working very satisfactorily.

At St. Austeli Consols general meeting, on Tuesday (Mr. J. Dowson in the chair), the accounts showed — Bannec last andit, 1991. 13s. 23.; calls, 314.; received for black tin, 4739. 2s. 4d.; sopper ore and carriage, 2131. 5s. 4d.; for nickel and cobalt ores, 734. 12s. 9d. =62059. 15s. 7d.—Mine cost, merchants' bills, and lord's dues, 54724. 12s. 2d. leaving in had, 7314. as. 3d. The estimated assets for two months amounted to 21815. 3s. 5d.; the estimated liabilities (a large portion being for new machinery) to 4024. 17s. 5d. A call of 5s. per share was made.

At Wheal Zion moeting, on Thursday (Mr. T. E. Stubbs in the chair), a report was read from the agent, Captain J. T. Phillips, which stated that in the 30 west the lode is 4 feet wide, of a most kindly appearance; a leader in the middle of the lote, about 3 ft. wide, carries a great deal of mundie, with copper ore, worth of the latter about 1 ton per fm. The 50 west has been driving through very kindly ground, producing a small quantity of copper ore, from 1 ft. to 18 in. wide, going down nearly perpendicular. In the 50, as far as we see, this lode is very small, but occasionally showing stones of copper ore. In the 50 east the presence of foul air has prevented the workings. In driving the last 10 fathoms in the 53 east the lode has about a fins. deep, driving west at 34. per fm.; the lode is from 18 in. to 2 ft. wide, composed of quarts, peach, and mundie, with all the gossan; occasionally we find a few particles of copper ore. The south lode in the 55, about 30 fathoms to the west of Richards's shaft, is shortly expected to be met with. The cost will be about 300, per month, with small quantities of copper ore to asist in meeting these expenses. The accounts showed—Balance last audit, 1101.

Messrs. A Goslett, and G. Law were elected a committee of management.

2s. 6d. per share was made.

At Boiling Well Mining Company meeting, on Monday (Mr. Boyle in the chair), the accounts showed balance in favour of adventurers 54. 12s. 3d. The committee of management were re-elected, and the proceedings, which are fully reported in another column, terminated with votes of thanks to the Chairman, com-

mittee, and secretary.

At the Holmbush Mining Company, on Wednesday (Mr. Pilcher in the chair), the accounts showed a balance against adventurers of 24504.6s. 6d.; and in the estimated accounts to Dec. 24 a balance against the mine of 15574.15s. 2d. The proceedings, which are reported in another column, terminated with a vote of thank to the directors.

to the directors.

At South Dolcoath and Carnarthen Consols meeting, on Tuesday, th accounts showed — Ore sold. 541, 10s. 6d.; calls received, 6551, 5s. = 7091. 15s. 6d. that and the saidt, 133, 8s. 2d.; mine cost and merchants bills, July, 1321, 16s. 4d. Aug., 159, 15s. 6d.; Sopt., 1551, 17s. 11d.; Oct., 1241. 14s. 6d.; sundries, 9l. 1s. 2d. leaving balance in favour of mine, 18s. 9d. A call of 2s. per share was made. Cap Wm. Roberts reported upon the operations at the mine.

leaving bilance in favour of mine, 18.9. 9.1. A call of 2s. per share was made. Capt. Wm. Roberts reported upon the operations at the mine.

At North Wheal Wrey meeting, on Wednesday (Mr. P. Watson in the chair), the accounts showed — Balance last audit, 791. 11s. 4d.—Labour cost, Sept., Oct., Nov., 3034. 18s. 3d.; calls credited, in error through purser, 631. 12s.—e149. 2s.—Calls received, 3007. 18s. 3d.; calls credited, in error through purser, 631. 12s.—e149. 2s.—Calls received, 3007. 18s.; dails credited, in error through purser, 631. 12s.—e149. 2s.—Calls received, 3007. 18s.; dails abalance has meeting, 3t. 18s. 3d.—Merchant's bilis, leaving balance against mine, 44f. 2s. The statement of liabilities and assets showed arrear of calls, 6094.15s.; cash at bank, 52f. 18s. 5d.—6387. 13s. 3d.—Merchant's bilis, 520f.6s. 6d.; balance brought down, 44f. 2s.: leaving balance in favour of mine, 89f. 5s. The financial position of the company was fully considered, and after the examination of the claims against the mine, which had been withheld at former meetings, it was thought advisable the shareholders should be in possession of the dates before any resolution was made, and that the secretary be requested to prepare a detailed statement of the several liabilities made up to date of each general meeting held during the last 18 months. Capt. W. Bettis reported fully on the several workings; and from the manner in which they were carried out, the utmost economy was used.

At the College Mines meeting, on Wednesday (Mr. D. G. Accocks in the chair), the accounts showed—Captal, 2388f. 7s. 6d.; leaving balance in favour of mine, 230f. 1ss. 3d. The outstanding liabilities are merchants' bills unpaid, 116f. 13s. 5d., to meet which there is cash at bankers, 123f. is. 2d., and arrears of eaths, 227f. 8s. 6d.; leaving balance sabove. Capts. A. Braithwaite and B. Tucker reported that their wheel, pumps, and other machinery, are in good working order; their tribute department improved last week; they had raised since previous re

Hingston Down Consols sampled, on Wednesday, 240 tons of average ality copper ore. Bedford United Mine sampled, on Tuesday, three parcels of ore, making

ogether 207 tons, computed.
Collacombe Mine sampled two parcels of copper ore—No. 1, 79 tons roduce, 7. No. 2, 56 tons; produce, 5½.

produce, 7. No. 2, 56 tons; produce, 5½.

The Devon Great Consols have reduced their last sampling by 1000 tons, and their labour cost 1000l, per month; and in the same proportion several other mines returning largely, in Cornwall, are doing the same.

From Lelant Consols we learn, from Captain Wm. Richards, that there is an improvement in the 60 driving east. They have seven pares of men working on tribute, averaging from 11s. to 16s. in 11. They expect to reach the Gry and Wheal Kitty lodes in three months.

At Eaglebrook, Capt. Spence reports the prospects are very cheering. The Great Wheal Vor committee of investigation (appointed at the last general meeting of shareholders) meet on the mine on Tuesday, the 5th inst.

The Wicklow Conper Mine Campany have convened their ardinary half.

The Wicklow Copper Mine Company have convened their ordinary half-yearly meeting for the 14th Inst., at Dublin; a special extraordinary meeting will be held immediately after, to consider the advisability of bringing the company under the Joint-Stock Companies Acts, 1856-7, and to pass the necessary resolutions.

the Joint-Stock Companies Acts, 1856-7, and to pass the necessary resolutions.

In the Foreign Share Market, during the week, a decided improvement has taven place, and which in some measure may be accounted for by the money market becoming easier, and from the low price which many of the mines were to be bought at. A very considerable business has been transacted in United Mexican, leaving off at 4½ to 4½. From the advices received yesterday, a very satisfactory result will be obtained, and, on the arrival of the next mail, these shares will be very considerably lamproved in value. St. John del Reys have advanced in price, leaving off at 11 to 12. No report having been received from the mines, the rise can be only accounted for by the fact that foreign stocks have been below their value, and that many who know their worth will always invest at low prices. Mariquitas have been more enquired after, leaving off at ½ to ½: the roturns from Santa Ana being the largest yet received. Strathalbyn, very little doing; a meeting is called for the 6th inst., for the purpose of raising additional capital, which will be ample to bring the mine into a prosperous state of working. Johrs shares have been frener, leaving off at 1½ to 11½. Santiago, 1½ to 2, the report received yesterday being considered more favourable. Other descriptions of foreign stocks were quiet.

The Strathalbyn Mining and Smelting Company have issued the report

The Strathalbyn Mining and Smelting Company have issued the report to be presented to the extraordinary general meeting, to be held on Wednesday next, from which it appears that the accounts made up to Sept. 28 showed assets amounting to 50714. 8s. 4d., and liabilities 4499l, 11s. 2d. Several reports are inserted, which have already appeared in the Mining Journal, and the directors propose to raise 6000l, upon mortgage of the property.

upon mortgage of the property.

From Jamaica, the mining intelligence (to Dec. 11) is still very favourable. The Etlerslie and Bardowic Company possess a mine of extraordinary promise at Salisbury Plain. As yet the workings are young, but already in einking on the lode, a branch increasing from 3 to 5 ft. of solid metal, has accompanied the work, and at the latest accounts the lode was yielding 5 tons per fm. of ore worth, as it is raised, from 14 to 16 per cent. of product.—At Charing Cross, the property of the Wheal Company, the works are at present confined to driving the deep cross-out by which the lode will be intersected at a depth of 85 fms.—the lowest level attainable without machinery. This mine has carried a branch of ore in all its five levels, and there is no doubt of its value in depth.—From Stamford Hill, the accounts are ex-

** Early in the present year the MINING JOURNAL will be printed on a superior paper from a new type, which is being east expressly for the purpose. Several improvements in the arrangements of the Journal are contemplated, and the publication more frequently of Supplemental Sheets will enable us not only to avoid delay in the insertion of Correspondence, but also to publish much additional matter, of practical and general interest.

. The Title and Index to the Twenty-Seventh Volume of the Mining Journal, will be published next week.

Pron-An-Dra Minra.—The letter from Mr. W. P. Cardozo, reaching us only this morning, is unavoidably postponed until our next Journal.

morning; is unavoidably			
	LEAD OF	RES.	
	Sold on the 26th I	lecember.	
Mines.	Tons Pri	ce per ton-	Purchasers.
	100 4	90 7 B T.	Somers.
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ditto	30	13 11 0	ditto
			ale Blackett & Co.
Tamar	60	16 5 6 1.0	cke, Diackett, & Co.
Minera	112	13 11 6 0.	ditto
ditto	38	13 3 0	area
Wheal Wrey Consols	60	15 3 0 5.	Divoy, Done, a cos
	BLACK !	rin.	
Sc	ld on the 19th and	22d December.	
Mines Tone 6	a lb Price per t	on. Amount.	Purchasers.
Gt Howas United 3 14	1 20 #660 0	0 £ 223 5	7—Carvedras.
ditto 0 17	1 21 40 10	U 10 10	
ditto 10 9	1 12 60 0	0 025 1	3-Trechensus
ditto 1 11	0 22 51 7	6 80 2	7— ditto
	Sold on the 21st I	December.	
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	Sold on the 23d I	ecember.	
Pedn-an-dreaUnited 4 1	2 2 60 0		0-Bolitho.
ditto 4 6	1 24 55 15	0 241 0	0- ditto
ditto 1 13	2 1 39 0	0 65 7	0- ditto
	Sold on the 24th I	December.	
Wheal Bal 5 4	2 27 55 15	0 291 19	0
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COPPER ORES.

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ditto	***********	70			2	6	ditto 38 11	3
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ditto	***********	80		5	13	6	ditto 17 13	7
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	Wheal Clifford 306) 1	798	7	6		379	8	
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COMPANIES BY WHOM THE ORES WELLS TONE.	Amor	ant.		
Mines Royal Company	£ 748	10	3	
Vivian and Sons	2045	19	0	
Freeman and Co	2058	8	8	
Grenfell and Sons		7	9	
Sims, Willyams, Nevill, and Co 2781/	2049	2	3	
Williams, Foster, and Co 992		12	6	- 1
Williams, Foster, and Co		0	3	
Mason and Elkington	57	4	ŏ	
F. Bankart	1482	- 5	9	
Copper Miners' Company		12	0	
C. Lambert			_	
Total 3745	22,417	1	6	
	***			-

Copper ores for sale on Thursday next, at Tabb's Hotel, Redruth,—Mines and Parcels,—Wheal Buller 606—West Basect 475—Alfred Consols 320—Par Consols 300—North Basest 293—West Alfred Consols 190—Great South Toigus 186—Great Wheal Alfred 177—Toivadden 143—Wheal Margery 115—Levant 53—Rosewarne 81—South Creaver 76—Carrack-Dews 62—Boiling Well 61—Wheal Arna 59—Clijah and Wentworth 51—Wheal Unity Consols 50—Wheal Agar 45—West Powey Consols 45—Halsmanning 39—Lewis Mine 12—Wheal Emily 12,—Total, 3492 tons. NO SALE on Thursday week, 14th January.

PIRST SALE IN JANUARY.

				A A A S	T GUETA	3 77.		*** 0 14	-								
	Years.	Tons.	Pro	d.	Amou	nt.		Stand	lard		O	re o	opp	er		Cake	cop.
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THE PROGRESS OF MINING IN 1856.
BEING THE THIRTEENTH ANNUAL REVIEW. By J. Y. Watson, P. G.S., Author of the Compendium of British Mining (publish in 1843), Gleanings among Mines and Miners, &c.

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Botices to Currespondents.

• So much space being occupied by the Annual Review has necessarily interfered with our arrangements - several leading articles, many letters from correspondents miscellaneous scientific information, and various mining reports, being unavoid ably omitted. Those interested must attribute the non-insertion of their matter. to the mere want of space, while we shall endeavour to bring up the arrears of news and facts in our next Journal.

and facts in our next Journal.

RIGHT OF DEFAULTERS TO VOTE AT MEETINGS.—As the question of right of voting by adventurers in Cornish mines who happen to be defaulters is a very important one, and the subject in dispute at East Wheal Rose on Dec. 22 having never yet been tested in our courts of law, I think the matter deserving the carnest attention of everyone interested in mines lying within the jurisdiction of the Stannaries, as well as your Journal, to which we all turn for advice when it a difficulties. It may be right to state that there is no resolution entered in the cost-book of East Wheal Rose to prevent a shareholder whose cost or calls remain unpaid from voting; and, so far as I am aware, it is the first instance on record, under similar circumstances, where an adventurer's vote was declined because his calls were unpaid—on the contrary, I have witnessed at our mine meetings the right of voting accorded to those who were well known to be defaulters; and if this be the custom, will it not also make the law? I trust the question will attract the attention of some of your correspondents, who will give us the benefit of their knowledge.—A Sharkholder, who will give us the benefit of their knowledge.—A Sharkholder, which shall give us the benefit of their knowledge.—A Sharkholder, when the standard is the standard of the coast abounds largely with

CALLS ARE ALL FAID: IPSIO.

Date IN COMMERLAND.—The shingle for miles along the coast abounds largely with
quarts and granite boulders, some of which are more or less righly diffused with
pure virgin gold. There is not a boulder, street, nor house here but contains the
guittering ore in sight, and the debris in millions of tons is pure attriturated magnesian and carboniferous limestone, with some indurated trap. I think the ironmasters might at least convert their blast furnaces into limekins, for calcining and
converting this shingle into a useful and righ manure.—Thaveller: Workington.

masters might at least convert their blast furnaces into limeklins, for calcining and converting this shingle into a useful and rich manure.—TRAVELURE: Workington. Parcover METAL MARING.—"Alaceo," in your last Journal, gives an account of Mr. Gabsiel Platte's process of obtaining gold from iron and copper, but, although it is evident that he does so to show the impossibility (I think I am fully justified in using the world) of any of the new alchemic methods proving remunerative, I think many might conclude that, as the extraction of gold was not impossible, improvements would enable inventors to overcome the difficulty. But I am sure no chemist will deny that, had Mr. Platte substituted charcoal or distilled water for his iron and copper, the yield of gold would probably have been equally great; for, like the gentleman who asserted in your Journal that muriatio acid was a compound of oxygen and chlorine, he labours under a mistake as to how his chemical results have been arrived at; and because he finds gold in a vessel which has, upon some former occasion, had iron in it, he presumes that iron must contain a certain percentage of gold. But Platte prepares his regulas with antimony (which is liable to contain gold), and treast it with quicksitiver and sliver (each of which is again likely to contain gold), and treasts twith quicksitiver and sliver (each of which is again likely to contain gold), if the used three or four distinct charges of quicksilver, and obtained how a few grains of gold, "which did not pay the cost of labour." Now, as I think mining is looked apon as far less profitable than it really is, in consequence of the knavery of some connected with it, I think too much cannot be said against the quantity of the grain of some connected with it, I think too much cannot be said against the quants when are endeavouring to induce the opinion that gold can be extracted from English ores at a profit by the use of some novel process, neither chemical nor mechanical.—P. S.

chanical.—F. S.

MINIME IN THE ALPS.—Can your Paris correspondent render any information
the progress making by the Compagnie des Mines des Alpes? Also with refe
to the dividends being paid, if any, and the isw by which they are guided?
was rumoured that English capital would be called for to further develope
mines, I think it should be made known what power the company has to raid
difficual english.—Northers.

mines, I think it should be made known what power the company has to raise additional capital.—Impurates:

The Turriva.—In your last Journal, "N. E." states that, amongst the most successful manufacturers of turbines are Measrs. Whitelaw and Stirrat, and Mr. Fourneyron; but in this I entirely disagree with him. When the turbines was first introduced it was simous inapplicable to low falls, in consequence of the great wear and tear on the pivots and footsteps on which the machine revolved, and which caused an almost constant necessity for repairs. This being the fact, I think Messrs. Phillips and Darlington could not have been altogether acquainted with what had been done; since Measrs, MacAdam, of Belfast, have rected turbines in Ireland, which have been working regularly for years, without any repairs whatever, and even now there is no appearance of wear and tear. Another reason why I should not name Fourneyron as a most successful manufacturer is, that his turbine, where the quantity of water decreased in summer greatly below the maximum winter quantity, always failed in giving out the proportionate amount of power. Thus, if the fall was reduced to one-ciphth. Now, Messrs, MacAdam have discovered how this defect can be remedied, and their turbines are so constructed that they suit the varying quantities of water, and give out the proportionate amount of power. With regard to the cost of the turbine, as compared with that of the ordinary water-wheel, its small class on high falls places it in this respect beyond all competition. On falls from 20 ft. upwards tha cost of a vertical wheel increases rapidly, and on arriving at 50 or 60 ft. the expense becomes so great as frequently to prevent its use. The great water-wheel at the Laxey Mines, Isle of Man, which is on a 73 ft. fall, cost several thousand pounds. With the turbine the reverse takes place, for its size disnishes as the fall increase in height. On very low falls, although the advantage in c-st is not so apparent, the property which the turbine, as turb

Manuarez.—In the recent discussion which has been going on with reference to the manufacture of iron and seel by the pacematic process, Mr. Mashet has several times referred to the fact of his using metallic manganess, which he appears to consider is the sole requisite for perfecting the Bossemer process. As he uses it so largely, of course he must be well sequalled with its manufacture, and cannot, therefore, have any objection to state his manganese process as fully as he has his steel process; and I am sure that if he can iglorem the world how to produce metallic manganese at a cheap rate, he will renier as great service as can possibly result from his improvements upon the Bossenere process.—F. H.

Manuares.—M. de Maligny, in a recent Notise, said he had made arrangements for working his manganese mines in Dordogn; but I have not seen any other announcement, either of the mines being in work, or of the manganese being brought to market—on the contrary, I have heard that he is doing nothing whatever with them. If this be so, why does he not take neasures to form an English company, with limited liability, as the demand in England for manganese would assuredly produce him support. Moreover, it is said that want of capital is the reason why they have so long remained in abeyance, and almost the sole reason; so that the necessity for the English company must be so once apparent; and as we see nothing of it, I presume he will neither work the mines himself, nor allow others to do it. Could he not transfer his interest on consideration of receiving 10 per cent, of the nett profits realised? Many would accept these terms, and he himself would gain far more than at present.—C. F.

Could he not transfer his interest on consideration of receiving 10 per cent, of the nett profits realised? Many would accept these terms, and he himself would gain far more than at present.—C. F.

far more than at present.—C. F.

MIDGLACOTT AND BUCKLAND COSSOLS MINES, AED THRIR MANAGEMENT.—I never enter
into details of business with anonymous wriers, whether shareholders or not. To
question alluied to, in reference to Wheal anderton, in your last Journal, by "
Shareholder," is literally an untruth. No such statement ever appeared in you
Journal with my signature. In conclusion, I beg to say that I do not want the "
vourse of anyone, nor do I fear their frowns.—Jas. Carranter: Assistro-cottage

VOURS Of ANYONE, nor do I fear their frowns.—Jas. Carrentes: Anderton-cottage Coppens Smrling.—Several instances could be cited where copper ore is smelted in England besides Swances, as in Angiesea, Liverpool, and the Cheadie Works in Staffordshire. At Copiago, they are about to smelt on the apot; the coals costing there about 61, per ton 70; while in Hamburg they pay 41, to 54, per ton for the ore and 18s. for coal. The writer of the remarks alluded to ought to know something of the matter, having erected furnoses, reduod the ores, and refined the cake copper The slugs left at Bristol were rich enough to be re-melted, after several years have elapsed; and the failure at Hayle most probably arose from a want of combination The writer will be happy to receive any information our correspondent may for ward, and would suggest that it is desirable opinions should be based upon facts.

**RENE-AN-DERA, AND ITS MANAGEMENT.—Observing a letter in your Journal of less than the staff of the control of the

The writer will be happy to receive any information our correspondent may forward, and would suggest that it is desirable opinions should be based upon facts. PRDN-AN-DRA, AND ITS MANAGEMENT.—Observing a letter in your Journal of last week, signed H. Waddington, reflecting upon the management of shis mins, I beg to ask, if he had seen anything eggeously wrong, why did he not point it out at the meeting of the local committee on Dec. 18? He himself, being one of that committee, must have had ample opportunity of bringing it forward, without reflecting improperly and invidiously on the purser or manager. I cannot, of course, being simply a shareholder, know more of the concern than is laid before me at a general meeting of adventurers, unless I suppen to go to the mine for the purpose of enquiry, which I frequently do, and must say that I have ever found the agents very civil and polite, and attentive to their duties. To accounts are as regularly kept, and as plain as can be found in any mine in the Cambone, Redruth, or other district. With regard to the management, not being bred a miner, I am not competent to judge whether it is bad or otherwise. I can only say that, having lately greatly increased my interest in the concern, I am anxious to know what the error can be that has deprived us of dividends equal to 5000/i. in the last year. If this b true, I trust we shall have at once a general meeting of shareholders on the substruct, I trust we shall have at once a general meeting of shareholders on the substruct, I trust we shall have at once a general meeting of shareholders on the substruct, I trust we shall have at once a general meeting of shareholders on the substruct, I trust we shall have at once a general meeting of shareholders on the substruct, I trust we shall have at once a general meeting of shareholders on the substruct, I think, how ever, he has missed the mon of the meeting of the month of the most part large shareholders, who really know what the content of the committee, being composed of respe

business, and for the most part large shareholders, who really know what mining is, will aver countenance so unjustifiable a step, taken by one of themselves, but speedily remove him from office.—A Sharkholder is represented by the winter season, and pushing their works forward now that labour is so cheap in the colony? We do not hear of their following the business habits of the Dun Mountain Company, whose engineer and min re have been out some time. Surely, the shareholders of the Bon Accord Company are entitled to know what is doing.—A.

SAFETY LAMPS.—A short time since you referred to a safety-lamp, invented by Mr. Mosard, as being very perfect, and recommended its general adoption. Can you er any of your correspondents inform me in what mines they are in use; whether they have proved of the great utility you anticipated; and if they have, where they can be obtained? As I have seen a sample of this lamp, with which I was much pleased, and which appeared to me in every respect superior to Dubrulle's, I am anxious for its success. I fear, however, as in many other cases, that there is a want of energy on the part of the proprietors, which reacts very prejudicially upon them. If greater publicity were given to the invention, I am sure that no lamp extant would be more used; and as to the infringement of Dubrulle's patent, I am convinced that any court of law would decide in Mozard's favour.—Mixes: Leeds.

MANUFACTURE OF GAS.—From a friend at Paris, I learn that a gentleman of that city, who described himself as a miner, has taken out a patent for providing a substitute for from 70 to 80 per cent, of the coal used in the manufacture of gas, which gives, I might say, positive evidence that all miners do not at patent for providing a substitute for from 70 to 80 per cent, of the coal used in the manufacture of gas, which gives, I might say, positive evidence that all miners do not at patent for providing a ubstitute for some on the Continent. The menufacture of a given quantity of gas with but from 20 to 30 tons,

properties in the message observation to the first place of the holders of abares in this company to know something of their affairs before they aurrender their rights to the few interested parties in Paris, to deliberate among themselves on the expediency of winding-up, as it appears they intend to do, at the meeting advertised to take place in Paris on Jan. 12 inst. It has been asserted at the office. 37, Walbrook, that the directors in Paris hold exclusively a considerable number of shares; this may be true, although rumours to the contrary are prevalent. It is asserted also that the proceedings at the mines have been so favourable, this since the absorption of the company's funds Mesers. Taylor have made the necessary advances up to this time. Would it not be proper to ascertain the correctness of this assertion, and, at the same time, enquire as to the importance of the interest held in this country? I tappears to me that a meeting in London to that effect would combine a double remedy to the preceding evil at Paris. In the first place, if our interest here prevails, a sufficient number of proxies might be used in Paris at the meeting to obtain new rules, giving us an opportunity here to investigate the proceedings at the mines and at Paris. This is the course followed by the Great Luxembourg Railway Company, the practical business being done in London, confirmed at the legal meeting at Brussels. If amongst your readers there are any sufficiently interested and influential to bring the matter forward, no doubt they would meet with support.—A SEARMODER AT A PREMIUNE: London.

**REVENTION OF SEORGE.—I was glad to see Mr. Charles We Williams called upon for

with support.—A Sharkholder at A Parkhus: London.

Prevention of Shore.—I was glad to see Mr. Charles Wye Williams called upon for some explanation for his remarks upon the boilers of the Leviathon, and shall anxionsly watch for them in your Journal. I have no doubt that he will be enabled to substantiate all that he shas stated, but I must say that he should have accompanied his attack with his reasons for attacking; since, as the matter at present stands, Mr. Williams appears very much in the position of a disastisfied meddler who is desirous of crying down everything but what he has done himself. This, I am sure, is a character which he has no ambition for. The gentlemen connected with the Leviathon have already had sufficient difficulties to contend with, and it appears needless for jcalous parties to endeavour to cause them further annoyance by their gratuitions attacks, unless they can give ample reason for them, or suggest a remedy.—M. S.: Lieserpool.

Limited Liability.—"Subscriber" (Aberystwith) could not relinquish his shares unless the articles of association specially provided for relinquishment, but there would be no difficulty in transferring his shares. But in the event of the company being wound-up within one year from the time of transferring the shares, "Subscriber" will be deemed an existing shareholder, and be treated precisely as though he had not transferred them.

THE MINING JOURNAL

Bailmag and Commercial Gagette.

LONDON, JANUARY 2, 1858,

On August 9, 1835, the first Number of the MINING JOURNAL was issued to the public. At that period, beyond the limits of the several localities, but little was known of mining enterprise; its great importance, as a national branch of industry, had never been rightly understood. To many it was a scaled book; while with others it was a prevalent opinion many it was a sealed book; while with others it was a prevalent opinion that, the capital advanced, but little else was required than to lay bare the surface of the earth, and returns would be immediately made, and those who were so fortunate as to obtain a share in any of these undertakings would speedily become rich. Ten years previously a mania, which has never been paralleled, existed for joint-stock companies, and any one who will refer to the prospectuses of the several associations concocted in 1826 will see that the ardour for speculation in that year was not confined to mere adventurers only, but that peers, bankers, and merchants of the highest standing and greatest respectability, all eagerly rushed to join in the scramble which was to enrich every one, with comparatively little labour, and at a cost which appeared ridiculous when the estimated profits were calculated. Much of the capital so embarked was invested in mines in the liberated colonies of Spain; tradition had spoken of the great wealth which that kingdom had derived from her American dependencies, and no tale, however exaggerated it might be, was disbelieved: dencies, and no tale, however exaggerated it might be, was disbelieved: it was then merely for the promoter to ask, and he could receive any amount of capital he desired. The feverish excitement was not confined only to foreign speculations, but a great number were started in Engla

Fabulous accounts were given of mines that had been abandoned on account of water, and these, it was stated, were so rich that if only forked returns could be made immediately; and although no records were kept, there were numbers of old men who could remember what quantities of rich ore had been left in the old shafts, backs, and levels when, for want of proper machinery, the former adventurers had been necessitated to abandon the undertakings. The year afterwards there were 44 of these existing; the capital for working them was 26,776,000f.; there had been advanced 5,455,1000f., their market value having fallen in a brief 12 months to 2,927,350f.; in the same period 16, with a capital of 5,685,000f., on which 400,900f. had been paid, were definitive abandoned. It is not our province here to allude to the failure of joint-stock companies promoted in that year for other purposes—their name was legion; we merely wish to point out how much capital was in so short a time wastefully expended in mining adventure.

that year for other purposes—their name was legion; we merely wish to point out how much capital was in so short a time wastefully expended in mining adventure.

Had at that period there been any authorised organ of the mining interest there is little doubt but that much of this money, which was so recklessly thrown away, might have been spared, and diverted into other and more legitimate channels of mineral industry, where it would have conferred a benefit on the districts where it was employed, augmented the national wealth, and have fructified for its owner. In the year 1835 speculative spirit was again directed towards mining, and this time the tendency was to English adventure: it was at this period the Minino Jounnal appeared. The task of establishing such a periodical was one of no ordinary difficulty: apart from the novelty of the undertaking, it had to encounter the hostility of a number of those speculative individuals and "bal selers," on whose caling publicity must necessarily inflict a heavy blow. Despite the obstacles to be encountered, and the difficulties to be overcome, the ordeal was successfully passed, and the Journal began to assume that pre-eminence as a class paper which it has now for so long a period maintained. Those who we really interested in mining soon perceived the utility of such a publication, to protect their interests, and disseminate information on all subjects apper taining to mining, and from the general body we have always received the most cordial co-operation. We have had but one object—the encouragement of mining enterprise, and a sincere desire to protect the public from the design, of unprincipled characters, who would, by spurious statements, induce it to embark capital in worthless undertakings.

In the vaer 1843 M. J. Y. Warson published a Compendium on British

racters, who would, by spurious statements, induce it to embark capital in worthless undertakings.

In the year 1843 Mr. J. Y. Warson published a Compendium on British Mining, in which he gave a resume of the different mines at work, and sointed out how, where capital was judiciously laid out in mining adventure, it would return a fair profit to the speculator, and in some cases much larger than could be obtained in any other undertaking. The success of this work was such that the author was induced in the following year, through the medium of our columns, to continue the task he had undertaken, and with the present Number we publish his fourteenth Annual Compendium. It would be a work of supererogation for us to say anything in its commendation; the public have long acknowledged the utility and the merit of Mr. Warson's able Review, and nothing that we can add will enhance its value. Briefly this we can remark, that in the present year it is more copious than hitherto, and contains a great mass of sterling information, which should be read and studied by all who are intervsted in mining enterprise.

year it is more copious than hitherto, and contains a great mass of sterling information, which should be read and studied by all who are interested in mining enterprise.

We will now briefly allude to our own labours, and this in a direction which for a considerable period was overlooked—in fact, we may say almost entirely neglected: we allude to Mining Education. It is uscless here to refer back to the period when Sir Charles Lemon's magnificent offer was rejected, by a combination of prejudice and ignorance; we do not wish to recite old grievances. We are aware there is much to be eccomplished yet, and there is an ample field open for improvement. It is, however, a great satisfaction to know that all the preliminary obstacles are now entirely obviated, and that mining education is now firmly fixed on a solid basis, and must progress. In the year 1851, we published the lectures on the mineral products of foreign countries, delivered at the Great Exhibition; and since the Government School of Miles has assumed a local form and shape we have communicated abbreviations of the lectures which have been there delivered by the eminent professors appointed by Government for that purpose; while, at the same time, we have not forgotten to notice the progress of education in the local schools.

Our columns have always been open to free discussion. This we have allowed so long as it would serve any useful purpose, beneficial to our readers; but, at the same time, we have always denounced a wordy correspondence, more especially when it has tended to border on personality. Many valuable communications, from varioustalented correspondents, have appeared in the Journale, which, if it had not have been for this medium, would probably never have met the public eye. To all of those who have thus assisted us we tender our thanks, and trust that we shall receive their valuable co-operation for many years to come.

One of the most useful matters connected with mining has been the

thus assisted us we tender our thanks, and trust that we shall receive their valuable co-operation for many years to come.

One of the most useful matters connected with mining has been the publication of the Mineral Statistics of Great Britain and Ireland, by Mr. Robert Hunt, Keeper of Mining Records. According to these, in 1856, the total value of the mineral produce was 30,602,322.; while the market value of the metals and mineral products obtained from the furnace amounted to 37,783,021. It is to be hoped that the proprietors of mines will see the necessity of affording this gentleman, in his arduous labour, every assistance, so that each year his valuable compilation may show the accurate progress of mining; while the preservation of records will tend to prevent much of that useless expenditure of capital which has so materially retarded British mining enterprise. From time to time these

the accurate progress of mining; while the preservation of records will tend to prevent much of that useless expenditure of capital which has so materially retarded British mining enterprise. From time to time these statistics have appeared in our columns, and we thus take the opportunity of adding our testimony to their value.

The years 1850-1851 witnessed the introduction of a host of apeculations for the purpose of prosecuting gold mines in Australia and California; the present year has seen the extinction of nearly all, there being but one still dragging on a lingering existence; while, from the accounts that have lately appeared in our columns, we imagine that for the present "Gold in England" will be no more heard of, and that persons will embark in legitimate mining adventure, instead of these ephemeral schemes, which in no single instance have afforded a practical result.

Our task is nearly complete. We have now commenced the new year. The past one, during the last quarter, has been signalised by some severe disasters, but there have been no dark records brought against mining, as there have been with other undertakings. We by no means infer that all who are connected with mineral industry are so just in their dealings as they should be, but the generality of those connected with it are men of probity and honour. In many cases where unfortunate disasters have occurred, it has been owing to the shareholders having neglected their own affairs, and in instances entrusted them to the guidance of others—in cases to a single individual, who has combined all the offices in his own person, without any control or audit, thereby exposing such parties to great temptation. Let "One and All" each work in his proper sphere, and we shall then hear no further complaints of the insecurity of mining as a speculation, or its hazard as an investment.

With these remarks we conclude, trusting that 1858 will not be signalised, either at home or abroad, by any of the disasters of 1857, and that the new year which has just d

The returns of the Board of Trade, for the month ending Nov. 30, of the exports of articles, the produce and manufacture of this country, show a falling off, as compared with the corresponding month of last year, of 1,986,2601; the total exports for the current year being 8,285,8151. and 10,272,0751. for Nov. 1856. The declared value of the exports for the eleven months, ending the same day, is 115,007,1961. for 1857, and 105,845,6311. for 1856, consequently giving an increase of 9,151,5651. in favour of the eleven months of this year. Of the decrease of 1,986,2601. for the month, no less a sum than 1,319,8881. is represented by the falling off in the value of the shipments to the United States alone, which is equivalent to about 663 per cent. of the entire difference in the exports of every description of produce and of manufacture. This consists of eighteen enumerated articles; and as all matters connected with the United States, as respect trade and commerce, are of such interest, and indeed importance, at this moment, it is well to give the difference, as compared with the same month of last year, of 352,5941; linens follow to the extent of 203,9161; salt is third, and gives a deficiency of 122,9761; tinplates rank next, in the amount of 93,1281; haberdashery is fifth, and stands at 87,6721; to this succeeds iron, to the value of 78,1861; hardware and outlery constitute the seventh in importance, being declared at 77,3991.; then comes mixed stuffs, such as flannels, blankets, carpets, &c., to the extent of 65,6791; worsted stuffs are next in order, and represent 45,2656; to which, in the tenth place, succeeds woollens, cloths of The returns of the Board of Trade, for the month ending Nov. 30, of

all kinds, with a total of 41,862i; earthenware and porcelain are the eleventh, and give, collectively, 36,847i; steel stands next, at 36,189i; silk manufactures follow with a sum of 21,590i; oil seed is fourteenth, and is declared in value at 18,142i; beer and ale are next in order, and furnish a clediency of 13,342i; copper is the sixteenth, and shows a sum of 12,292i; stationery is put down at 6760i, and next in order; and lead forms the eighteenth, and last, of the items mentioned as constituting the general falling off, and gives a deficiency of 5049i, which, with the addition of 35i, was the declared value of the exports of this metal in Nov. 1856, the sum deducted constituting the entire value of the shipments of lead to the United States during the month of Nov. of this year. Of oil seed there was not a single consignment, or transmission on other account, so that the deficiency in this article is the value of the shipment of Nov. 1856. In two articles only is there an increase, and both to small amounts—manely, coals and culm, which furnish an excess of 3769i. over November of last year; and cast-iron, which gives 4523i in favour of the same month of this year.

We must now draw the attention of our readers to those portions of these statistical returns which apply to articles more exclusively connected with the mining interests. The details, as usual, will be found in another column. The total exports under these different heads are declared at 2,176,409i. for November of this year; and whereas the aggregate value of the same was 2,369,801i in Nov. 1866, it necessarily follows that this year shows a falling off to the amount of 193,399i, as compared with the past. Hardwares, iron, steel, lead, and tin, give a collective deficiency of 289,504i; but as there is an increase this year over last in coals, machinery, copper, and brass, in an aggregate sum of 96,105i, the balance deficiency is as stated.

In all former statements during the last twelve months, and when there has been continued excess of expo all kinds, with a total of 41,862; earthenware and porcelain are the

has been continued excess of exports over the preceding periods, both as respects the month itself, or the proportion of the year included in the returns, we have shown that the value of the metallic productions of this has been continued excess of exports over the preceding periods, both as respects the month itself, or the proportion of the year included in the returns, we have shown that the value of the metallic productions of this country, in their crude or manufactured state, represented in value between one-fourth and one-third of the entire exports; but coming now to a reverse state of things, when the value of shipments of every kind are rapidly falling off, we find that metals give only 193,3994, in the general total decrease of 1,986,2604, or about 9½ per cent. of the whole; whereas in the excess, as before mentioned, the proportion represented by the mining interests was from 25 to 33 per cent. It is, therefore, evident that this branch of British industry has not fell the commercial depression to any very serious extent; and as extensive orders are on hand for the completion of railroads and other large works in our different colonies and various foreign countries, there is every reason to expect that this slight decrease will be temporary. Indeed, we doubt much whether there has been any great amount of speculative shipments of metal or metallic manufactures; and however defective these returns from one Board of Trade may be fairly considered as a good index of the pristion of the mining interests. The exports are solely of the mining and period of the most manufactured, therefore, it is impossible to deny the fact that great benefit must ensue to the producer, although the smelters monopolises more than the lion's share: "nile it is equally an undeniable fact, that neither the miner nor the "melter speculates in consignments of the ore or the metal, so that how were much shipments may be made by other persons, on the chance of meeting with a profitable market abroad, it is clear that no damage can accrue to those now closely identified with the mining industry of this country by improvident shipments of the speculator; but, as we have before remarked, we much doubt if speculative consignments of metals are made

Notwithstanding the advices received from our Australian colonies for several months past have spoken of a glut of goods in those markets, we find from the Government returns of the exports from the United Kingdom, that during the eleven months of 1857, ending Nov. 30, a marked increase has, nevertheless, taken place in all the different articles of shipment to these dependencies, with the single exception of scap, in which there has been a falling off to the extent of 39,964/, as compared with the eleven months of 1856. The total value of the exports amount to 7,218,242/. for the period mentioned of the year just passed, whereas, during the same months of 1856, the aggregate declared value was 5,396,529/. being. consequently, a balance excess of 1,821,713/., after allowing for the deficiency in scap as stated. Articles with which the mining interests are closely associated take the first rank, and furnish a total of 1,453,307/. under the head of "metals"—that is, iron, lead, tin, and machinery, which is an augmentation over 1856 of 221,720/. Next in importance as to value comes leather goods and saddlery, with an amount of 1,318,690/. against 874,467/. in 1856. Beer, ale, and spirits amount to 1,256,699/., being an increase of 501,237/.; apparel and slops give a total of 1,107,634/., and an excess of 246,400/.; haberdashery and millinery furnish a sum of 707,553/., which is 180,591/. over 1856; linens, cottons, and mixed stuffs were forwarded to the value of 695,387/., being an increase of 584,311/.; silk goods are declared at 184,922/., an augmentation of 69,145/.; woollens amount to 114,390/., which is 29,644/. over the previous year; stationery gives 198,598/., being an excess of 26,398/.; earthenware furnishes a total of 128,050/., which is 43,155/. over 1856; and oil seed, 33,103/., which is an addition of 12,693/. to the amount shipped in the eleven months of 1856. The value of scap in this period of 1857 was only 20,009/. sgainst 59,973/. in 1856, and the deficiency is as stated at the commencement of t

We have several letters from correspondents on the question of gold production, as mooted in our remarks of last week, in reference to Mr. Squirk's process for the concentration of oxides of the precious metal into globules. One is from an esteemed writer, "J. H. C.," who asks, "Can gold be obtained from quartz? If so, how? that the shares of some of the gold mining companies may still be worth money." Mr. Squirk fully answers this question affirmatively, in the advertisement which appears from him to-day, in which he solicits shareholders in such associations to call at his office, that he "may submit to them a plan by which the shares, which are now valueless, may be again marketable." This meets the which are now valueless, may be again marketable." This meets the point under the consideration of our correspondents, and no doubt an interview with Mr. SQUIRE will satisfy their wishes in the matter.

point under the consideration of our correspondents, and no doubt an interview with Mr. SQUIRE will satisfy their wishes in the matter.

It seems useless to enter again into the merits of the various associations which were organised for the production of gold from quartz in California, Australia, and elsewhere, and the best course which can be adopted is for all parties to co-operate in the establishment of Mr. SQUIRE, or any other method which will have the effect of ameliorating the position and prospects of those who have embarked capital in gold projects; and it would appear that there is every reason to calculate on success from the adoption of the system alluded to. There have been serious failures, no doubt, and lamentable disappointment has resulted to most who gave support to the different gold companies; but they were promoted under the full belief and expectation that the appliances to be used would render the result remunerative, although the contrary has been the general issue of the several associations, after the expenditure of large sums of money. The problem has been to discover the best method of developing the deposits of the precious metal, in a remunerative and commercial sense, so as to make them available for the general supply of gold. It is admitted on all sides that quartz containing the precious metal does exist in enormous quantities in different parts of the world, but the difficulty has been to apply a system whereby the yield should be of greater value than the cost of production: and the argument of Mr. SQUIRE and other scientific investigators is, that the oxides which now pass away, through the various

machines employed for reduction and extraction, can be readily retained by being brought into globules, and mus furnish an additional yield, even from the poorer ores, which would place many of the companies in a profitable position, which are now expending much money, without any benefit to the shareholders. It is certainly a most important consideration, and we are not surprised to receive a many letters on the subject: but as the tenor of the whole is the same they do not require special insertion.

THE MINING AND INDUSTRIAL INTERESTS OF CORNWALL

[vaow our corresponder in west correspondent in the further reduction last week of block tin 6t. per ton, and a still further reduction this week, renders the total fall so great that, if the low price lasted for any considerable length of time, it would ruin most of the tin mines in the county, unless the cost of labour and materials could be still further very much reduced, of which no hope seems to be entertained. The fall in block tin, since March last, is now above 40%, per ton; but

The fall in block tin, since March last, is now above 40%, per ton; but thore is every reason to hope that with the revival of trade, which is now confidently expected, the price of tin will again advance; or that if the tin mines can struggle through the first two months, they will again be able to make favourable progress.

The copper standard went up last week about 3%, 10s. as compared with the preceding week's sale, and the corresponding monthly sale. Very little is at present doing in mining shares. Some of Wheal Clifford advanturers are very much dissatisfied with the resolution come to at the meeting last week—to purchase one of Consol's engines and pitwork for 3500%. At Tywarnhaile, the works for the erection of machinery are progressing in an active manner. It is said by men who formerly worked in this mine that there is a good lode standing in the bottom; if the mine should succeed it will be a good thing for the parish of St. Agnes, which has lately been dull in a mining way. At Copper Hill, a call of 5% per share has been made: the mine does not progress so well as the adventurers were led to expect. Clijah and Wentworth Mine is reported to be looking well, a further improvement being expected in the Wentworth lode, which has good indications. At Cargoll, a considerable improvement was reported last week, and shares changed hands at advanced prices. At East Wheal Rose, many adventurers are by no means pleased with the management, and it would seem that the sooner the concern can be finally wound-up the better. West Basset is stated to be looking better. Grambler and St. Aubyn has recently improved. At South Seton, a call of 1% 10s, per share has been made. At Wheal Damsel, which is an old mine now reworking, the adventurers seem determined to prosecute the undertaking with spirit. This mine sold, when formerly worked from 1815 to 1842, ores to the amount of 258,208%.

[The crowded state of our columns compels us to postpone until our next Journal

[The crowded state of our columns compels us to postpone until our next Journal ome interesting statistics and comments on the copper trade and copper smelting, ntended by our correspondent for his letter of this week.]

THE IRON AND COAL TRADES OF STAFFORDSHIRE. [FROM OUR CORRESPONDENT IN WOLVERHAMPTON.]

DEC. 31.—The preliminary meeting of the Ironmasters' Association as held at Dudley, on Wednesday. There was a good attendance of the trade, especially when it is remembered that it was market-day at Wolverhampton. As had been anticipated, it was resolved to reduce the list of prices for marked iron 20s. per ton, the trade prices for the ensuing quarter prices for marked from 20s. per ton, the trade prices for the ensuing quarter being fixed as follow:—Bars, 8l.; hoops, 9l.; plates and sheets, 9l. 10s. As a natural consequence, it was resolved to reduce wages—1s. per ton to be taken from puddlers, and millmen to be reduced in proportion. It is not likely, since the colliers have so cheerfully submitted to a greater reduction, that any difficulty will be experienced in carrying out this. In point of fact, the actual price of iron has for some time been fully as low as the reduced trade quotations, and probably very few of the makers will be able at present to realise so much as these rates, so that the fall in wages is less in proportion than the depreciation in the value of the manufactured article. The reduction in puddlers' wages is alightly above 11 per cent.

nufactured article. The reduction in puddlers' wages is slightly above 11 per cent.

At the close of the general meeting, a number of gentlemen engaged in the wire-drawing department of the trade met, and agreed to a proportionate reduction in that class of iron. A general feeling of confidence that the depression had reached its lowest point was expressed at the meeting. The American advices are more satisfactory, and the improvement in the money market, and the effect, gradual restoration of confidence, will probably soon be felt in the receipt of larger orders for iron.

At Birmingham, to-day, decided indications of improvement were afforded. Prices refused only a day or two ago for pig-iron were pretty freely offered, and a fair amount of business was done at somewhat improved rates. It is difficult to quote prices, but about 3t. 5s. to 3t. 10s. are the rates at which sales can be effected for superior hot-blast pigs.

Makers of best qualities, who are not compelled to realise at once, refuse to deal at less than 3t. 15s., and probably they will get this rate in a few weeks hence. Coal for use at the works is necessarily lower, as is also ironstone. New mine coal may be quoted at from 7s. to 7s. 6d.; thick coal (lumps), 9s. to 9s. 6d. Best qualities of ironstone raised in the district are about 16s. Prices are rather unduly depreciated from the produce of insolvent firms, which are working under inspection, being com-

trict are about 16s. Prices are rather unduly depreciated from the produce of insolvent firms, which are working under inspection, being compelled to be sold to provide cash for wages, &c.; and the general tightness enables people who can pay cush to purchase at low rates.

Since the list of blast-furnaces in this district appeared in the Mining Journal of Oct. 3, no less than 46 have been blown out, and three or four others are likely to cease operations shortly. Instead of 157 furnaces being in blast, there are now only 111, of which several are not fully at work. Looking at the number of blast-furnaces idle (no less than 69), it seems probable that the great temptation which they will offer to persons desirous of making pigs will prove sufficiently powerful to keep prices rather lower for some time than they have been, and they have only been barely remunerative. It may, however, be fairly anticipated that for some time accommodation will be dealt out much more sparingly. The remark made in reference to pig-iron will apply to coal and ironstone, but in a less degree, as the supply is limited. The insolvent estates which consist of mines, and which are being worked under inspection, will naturally be realised as quickly as possible, which will somewhat add to the supply of these minerals.

turally be realised as quickly as possible, which will somewhat add to the supply of these minerals.

Owing to the neglect of the railway company my communication, although dispatched earlier than usual, did not reach the office in time for insertion last week; and it is, therefore, necessary to re-state that is meeting of the creditors of Mr. T. H. Pemberton was held in this town yesterday week. The liabilities are 33,3764, and the estimated assets—the correctness of the estimate having been assured by a careful examination of the estate—amount to 27,9954. Mr. Pemberton offered to pay his creditors in full, in instalments extending over upwards of three years and a quarter; and the offer was accepted, the mines to be worked under inspection. A meeting of the creditors of Mesers. Thomas Morris and Son was held at Birmingham, on Tauraday last, Mr. G. Skey presiding. The liabilities are estimated at 40,000? The report of the inspectors was to the effect that, if the mines were worked under inspection for 18 months, and the plant, &c., then disposed of, 13,000. might be realised. It was stated that about 80004, had been drawn out during the last four years by the partners, although the concern was, according to a balance-abeet then prepared for them, barely solvent at the time. Between 1842 and 1833, whilst the profits were 98344, the partners drew out 13,0004. The Chairman, in the absence of a guarantee, refused to accept any other terms than that the mines should be worked under inspection until, if it were possible, 20s. in 14, was realised. He objected to limiting it to any dividend. This was refused on the part of the firm, and it was decided that the estate should so into hardronte. However, the senter member of the firm, who 19534., the partners drew out 13,000. The Chairman, in the absence of a guarantee, refused to accept any other terms than that the mines should be worked under in-apection until, if it were possible, 20s. in 1l. was realised. He objected to limiting it to any dividend. This was realised on the part of the firm, and it was decided that the estate should go into bankruptcy. However, the senior member of the firm, who is regarded as being least to blame, subsequently offered to accept these terms—the two junior partners to retire, and he to receive an allowance of 2004, per annum. An adjourned meeting of the creditors of Mesers, Motterden and Decley, of Toil End, Tipton, was held on the same day. Their liabilities are 59,5621, and the assets are put down at 19,9004, but the inspectors estimate them at only 12,0004, or 13,0001. They failed in 1855, and their works are held as security for the dividends then agreed to be paid. This is another proof, if one were needed of so plain a principle, that business cannot be profitably carried on without capital. As an illustration of the shifts to which they were driven to raise meney, it is sufficient to state that in two years they paid 39004, for discounts. The estate is to be immediately wound-upunder inspection. One of the worst of the many flagrant cases presented during these failures is that of the Bradley Hall Company, Mesers. Thompson, Durford, and Hadley, a meeting of whose creditors was held in this town on Monday. The liabilities were stated to be 11,9644, and the assets, after deducting amounts to be paid in full, reached the absurdly small sum of 6591. Mr. Thompson, on being interrogated as to the cause of this extraordinary state of things, was so uncivil, that he was rebuked by the Caularman, Mr. Groncutt. It was resolved to wind-up the estate in the Bankruptcy Court.

The total failures in the iron trade since the crisis are twenty-one. Of these only

pitcy Court.

The total failures in the iron trade since the crisis are twenty-one. Of these only ree are likely to pay in fall, on time being given them. Their united liabilities exceed 1,000,000%, and their creditors will lose about half that sum. Many of the memors of these firms, which have been long hopelessly insolvent, have been living in the

bers of these firms, which have seen long supercess; insolved, more extravagant manner.

The gratifying movement inaugurated by the Willenhall miners, on the coossion of the reduction of their wages, to establish a reading-room, with a view to keep then acquainted with the progress of the world around, or rather referring to their subter ranges parasits and the world above them, appears likely to succeed. The first meeting was held on Monday evening, when Mc. Isaac Platt, the proposer of the move

nent, delivered a sensible spaceb. He expressed a hope that by conferences with the nasters they slight avoid strikes for the future; and added it was the intention of the committee, in addition to the residing of papers, showing the rise and fail of the price if iron, to call upon the leading gentlemen in the district to lecture against the prevailing social evils of the day, and plainly show that "the preventative was better han the cure." They since rely hoped to conduct their business without any resort or "artice," or committing, the slightest breach of the peace. Nothing could be more ratifying than this movement, appintaneously commenced by the colliers themselves. There is a strike amongst the Cr. diey chain-makers, and some cases of violence excited towards men who have accepts. The strike is not likely to last long.

REPORT FROM YORKSHIRE, DERBYSHIRE, AND LANCASHIRE. [FROM OUR CORRESPONDENT IN CHESTRAP, ELD.]

DEC. 31.—The trade throughout these counties is muci. depressed, but as the money market is becoming easier, and as the rotten house, s will have been expunged from the commercial list, trade must again speedily resume

as the money market is becoming easier, and as the rotten hous. It will have been expunged from the commercial list, trade must again speedily resume its activity, on a sound basis.

The Coal Trade is not so active as is usual at the present season, and prices are lower. The wages of colliers at the collieries have been reduced, and in these countles such reductions have been submitted to quiety. The commercial crisis has had the effect of checking the increased development of the rotte, and several large works in course of formation have been suspended until the money market shall have become easier, and general trade assumes a position to give encouragement to new enterprises.

A curious case, and one of some interest to the iron trade, was brand in the Rother-ham County Court, on Wednesday. An action to recover 50t, was brought by Edward Burgess, a puddler, against George Booth, a "shingler," both employed at Messrs. Besles and Co's. Park Gat from-works. The defendant had the management of a tilting hammer, and the plaintiff and other puddlers carried molten iron to the furnace, to be beaten and welded. On April 13 Cole, a puddler, took a bail of molten ore to Booth's harmer; Burgess, the plaintiff, was some minutes later than he ought to have been in following with a second ball, which was unshapely, and he was unable to get it on the spied face, and whilst he was trying to do so a piece of molten ore episabed in his yea and destroyed it. Plaintiff alleged that the ore spisaled and passion. The defendant contended that he dropped his staff, not in a prison, but to gag the hummer, and that the injury which resulted was accidental. It was a jury case, and they gave a verdicif for the plaintiff, danages. More than the passion of the collery, was found dead in the debris, and the brasting of one of the human, and the staff of the plaintiff, danages. The consideration of the belief has not in a passion, and the works were stopped for repairs. On the wind the work was filled with water, so as to enable the engine

REPORT FROM MONMOUTHSHIRE AND SOUTH WALKS. [FROM OUR CORRESPONDENT IN SOUTH WALES.]

DEC. 31.-We regret to have to record this week an extension of the strike among colliers, particulars of which we have from time to time placed before the reader. Those who returned to work at Aberdare have now struck again, and a settlement of the dispute seems more remote than ever. The Monmouthshire colliers have been urged to join in the strike, and the men employed at the Varteg, Golynos, British, and Pontypool Works, have all turned out. They were under notice of a second reduction of wages, which expired this day, and they refuse to accept the terms, alleging that the first reduction was as much as they could bear. On Friday and Saturday large meetings are to be held of the Aberdare men, for the purpose of inducing those it Moamouthshire to follow their example. Thus, the close of the year is attended here with anxiety, disaffection, and missery; and when a change for the better may take Place it would be in vain to predict.

The Bristol and Forest of Dean Coal Company has held its first general meeting. From the reports read, it appeared that the coiliery works are in a satisfactory state, and the undertaking is in a generally prosperous condition. Especial prises was bestowed on a large horizontal winding-engine, constructed by Mr. J. Gregory for use on the works. The directors were reappointed, votes of thusks passed to the officers of the company, and a spirit of great confidence was displayed by the shareholders. An accident has occurred to an aged coilier at the Charles pit, Llansamiet, belonging to Mr. C. H. Smith: about 100 cwts. of coal fell upon him, and he was crushed to death. A man has also been burned to death at Dowlais, and another killed at the same place, in Morgan Williams's pit.

The inquests on the bodies of the sufferers by the late accident in North Wales are concluded. A verdict of accidental death was returned in each case. The coroner, in aumming up, observed that it was a most dreadful state of things that such avful calamities should occur so frequently. A more vigilant inspection was obviously required, and must, if possible, be enforced. It would be well for those in charge of quarries to reflect that, by a recent Act, they were liable to action for damages where neglect was pr now struck again, and a settlement of the dispute seems more remote than

to be hoped, in the exercise of a little more caution and care tuan nave natural been displayed.

The events of the past year prove that, previously to the late panic, the iron and coal trades of this district were never in a more prosperous state. New fields have been opened up, and fresh discoveries made, while the attention of men of capital has been more directed to them. Notwithstanding a wonderfully increased demand, the supply has always been more than equal to it, and the resources of the place have been influenced only to an imperceptible extent. In the midst of this, however, came the strike; and now universal depression is experienced—the masters are losing money, and the workmen are enduring poverty. Added to this, we have the Taff Vale dispute between the company and the freighters, which would prevent the coal being shipped, even if it were produced. These circumstances render the close of the year a gloomy and anxious period, and we fear that many sad anticipations will be realised ere the new year has far advanced.

MANUFACTURE OF STEEL, -Another patent, No. 1660 (1857), has been obtained by Mr. R. Mushet for the production of steel. He states, in the specification, that "he finds the quality of steel is greatly improved by specification, that "he finds the quality of steel is greatly improved by adding to it a portion of metallic manganese." The addition of the manganese is made after the steel has been melted, or when it is nearly melted. The proportion to be used depends upon the nature of the metal operated upon, and upon the kind of steel to be produced—for mild steel, I per cent.; for steel of medium hardness and "body," from 2 to 3 per cent.; and for steel of great hardness and "body," 5 per cent. of manganese. Mr. Mushet states, also, that malleable iron may be converted into steel by melting it, steel of great hardness and "body," 5 per cent. of manganese. Mr. Mushet states, also, that malleable iron may be converted into steel by melting it, and then adding metallic manganese, without any admixture of cast-iron or carbonaceous substance. The amount of manganese to be used will depend in this case also on the nature of the iron, and the kind of steel required; it will range from 1 to 10 per cent. The metallic manganese is to be wrapped in a sheet of thin sheet-iron, and thrown into the iron, which is then heated till perfectly liquid, and run out into moulds; or the manganese may be melted in a separate pot, and poured into the steel or iron. Mr. Mushet remarks that the metallic manganese may be obtained by any convenient method, but he particularises the fusion of oxide of manganese in close vessels with fluoride of calcium, soda, or common salt. None of these substances, however, are capable of reducing oxide of manganese to the metallic state. The conversion of malleable iron into steel by alloying it with manganese is quite opposed to the results obtained by Karsten as to the influence of this metal upon iron and steel. He considered that, when present in small amount, it communicated some degree of hardness, without being injurious to the tenseity of bar-iron; but, while admitting that the greater or less hardness of malleable iron might in some instances be due to the presence of manganese, he was of opinion that malleablity or brittleness were characters independent of the hardness of the metal, and determined mainly by the amount of carbon. He found that malleable iron, containing as much manganese as steel, and even more, to the extent of 1.85 per cent., did not present any of the characters of steel. He also points out as a remarkable fact that some of the most highly prized kinds of steel do not contain a trace of manganese.

Immunication of an experiment of an expe

Original Carrespondence.

CAST-STEEL PATENTEES.

CAST-STEEL PATENTEES.

Size,—A very grave charge appeared to me to be made in your Journal of Dec. 19, against the Ebbw Vale Company. As I do not see it noticed this week, as I expected, and it concerns the public, I must advert to it. In the spring of this year I was strongly arged by Sir C. Harkort, the proprietor of the fabalously rich iron proporty in Westphalia, and his friend, Mr. Lezz, to examine the specimens of Uchatius steel at Mesers. Kreeft and Cox, and also a rail made by the same process, at the office of the Ebbw Vale Company, Larcence Pounting-hill. Mr. Robinson obligingly showed me the rail (on which I mode at the time some remarks in your Journal), and explained the particulars of its manufacture. We had some conversation, and I gave my opinion freely respecting the deposit of spathous ore on the Breadon Hills, relied on to furnish the element of the manufacture, but the name of your correspondent who has now dialemed that rail for his patent was not so much as mentioned by either of us. Therefore, as the matter stand in your Journal of the 191s, all the gentlemen I have named have been passing off on myself and numerous others a very extraordinary production as having been made by one patent, when it was really made by another. I know more of the Chevalier Harkort than of any of the persons referred to; I am certain any description on his part is impussible, and am as little disposed to be set right.

I was glad to see Mr. Walkinshaw had shown manliness, and done himself the justice to description.

MANUFACTURE OF STEEL.

ndent, "Westphallan," is convinced that, unless the raw matorial be adapted for the manufacture of steel, not one of myfinrentions will aid me in producing a marketable commodity, much less a substitute for the better descriptions of steel. As, however, he gives no definition of what the raw material should be to ensure success, the force of his conviction does not clearly appear. I quite agree with him that, when we wish to make steel, we must not take copper to operate upon mether would we designedly pick out the inferior kinds of coke pig-from for this purpose; in other words, we would select a raw material adapted to our purpose. The raw materials upon which I have operated are -Forcet of Dean cold-blast coke pig, hot-blast ditto, Pontypool Foundry pig, Victoria Foundry pig, Lay's Iromworks forge pig, Tow Law forge pig, and antiractic hot blast pig-from; and I purpose sending three or four samples of cast-steel from each of these raw materials to your office, all of which, I believe, will be deemed marketable, and at least as good as the average of cast-steel now in the market. I am not prepared to say that the pill or potion will operate alike upon all kinds of pig-iron, but if it answers for the produce of more than 20 blast-furances, its scope is preity while, as far as steel is concerned; and I have no doubt that 20 more might be built in the Forest of Dean alone to produce a suitable raw material. There is nothing at all mysterious in Mr. Sanderson's process; the chemistry of it is as simple as that of the atomic process, and I have very fine samples of iron produced by it. Neither is there any mystery attending Mr. Bessemor's process or mine. As to Mr. Blank's processes, they are indeed shrouded in mystery, and are likely to remain so. For myself, I trust wholly to mechanical arrangements and to common sense for the successful operation of my processes.

If chemistry told me that a certain pig-iron contained a large quantity of sulphur and phosphorus. Tenders the sulphur process, sulphur, 0.234; phosphorus, of the process ander -Carbon, 0.430; sillopur, 0.23 terial be adapted for the manufacture of steel, not one of my inventions will aid me in producing a marketable commodity, much less a substitute for the better descrip-

MANUFACTURE OF STEEL.

Sin,-"Sideroa" says he has read Mr. Bessemer's specifications-I am glad to hea it, but should have been better satisfied had he been able to comprehend what he read. I fear that in his readings he has been guilty of what the schoolboys call skipping

it, but should have been better satisfied had he been able to comprehend what he read, I fear that in his readings he has been guilty of what the schoolboys call skipping and this accounts for his taking a few isolated passages and descanting upon them, without keeping in view the general tenor and import of the subject in hand. Mr. Bessemer's patent of March 15, 1856, is not so much for the decarbonisation and refinement of iron by the use of oxides of from and carbonaccous matter, as it is for the presultar modes of decarbonising iron by the use of currents of atmospheric air or steam. The specification says, "These improvements relate—firstly, to the peculiar modes by which the decarbonisation and refinement of iron is effected by means of currents or jets of atmospheric air or steam (alone or mixed), and which is made to impling upon the surface, or pass through, or in contact with, the metal while in a fluid state. Secondly, in assisting the decarbonisation and refinement of iron by the use of oxides of iron, and in the use of carbonaccous matter during such process." Here, therefore, it will be manifest that the employment of the several oxides, gases, and carbonaccous matters, which perplex "Sideros" so severely, are considered as of secondary importance by the inventor.

"Sideros" thinks a little ganpo wder would, perhaps, be as harmless in combination with the fluid iron as carbareted gases. Probably it would; for, if combined with a certain combustible matter—the name of which it ceed not now mention—and blown in through the tayers, in combination with atmospheric air or steam, the operation would be as harmless as would be the discharge of a pop-gun or a equibon Plumstead Marshes.

He also sconplains that no definite instructions are given as to the mode of introducing the several carbonaccous matters, and that we are not informed in detail what they really are. The specification says, "When the decarbonisation and refining of iron, such first of several carbonaccous matters, and that we are not info

separation negron." Now, I think this essentially in semident in detail. If must be sayd in view, however, that the employment of the several matters mentioned in the say to considered in common with currents or jets of the matters of the matters of the matter of the matters of the matter and to be introduced with the biast, and that he biast, and that he said that the said of the matter are to be introduced with the biast, and that he biast, and that he said that the said of the matter are to be introduced with the biast, and that he biast, and that he said that the matter are to be introduced with the biast, and that he said that the said of the said of the said of the matter are to be introduced with the biast, and that he said that the said of the said of

therefore, that none of them could form the subject of a valid patent at the present day, even though they were employed in combination with his new process. All that it was necessary for him to state in his specification was, that when such alloys or fluxes were employed in convection wits his new process it was advable they should be used in the form of powder, and forced in with the blast at the tuyeres; and this he has unquestionably done.

To do Mr. R. Mushet full justice, however, I must admit that I do not know that metallic manganese was ever employed, or had ever formed the subject of a patent prior to Sept. 22, 1856. If not, he has seemingly a clear claim to its use. The whole question, however, hinges on the point as n whether it is necessary or indispensable that the manganese—if used at all—be in the metallic state, and also as to whether the oxide and carburet of manganese are is law equivalent to metallic manganese. As to the necessity for using either the "tiple compound" or metallic manganese alone in combination with the sir-purifying process, I have grave doubts. With an iron tolerably free from phosphorus and suphur they may be of some service, but as the air purification does not remove these matters it is preity clear that Mr. Mushet's compounds will not.

the air purification does not remove these nations it is pretty clear that Mr. Augmenton pounds will not.

"Sideron" thinks, however, that the success of the air-purifying process dependentiely upon the proper introduction of metallic manganese, yet he does not tell us why it is or should be so. The "red-shot" and "cold-shot" characters of irot cannot be materially influenced by it, air will it remove its cellular character (Sideron" has evidently become a little systilled with the subject. Many a man's brain is filled with Greek and Latin, yet, if the power to employ the same for useful purposes be not possessed, these acquirements areas the tinsel on a Columbine's skirts which may look vary pretty under the glass of gas-lamps, but pairty under the clear light of day. So, too, many a man's skull may be so stuffed as to become a perfect the state of t

ON THE VENTILATION OF COLLIERIES.

51s,—The discussion of coal mine ventilation between Mr. Wales and Mr. Hopton now ended, and we have also been favoured with a sort of summing up of the case etween them by Mr. Harold Worth. I wish, with your permission, also to say a few ords on the subject, and also to make a few remarks on what Mr. Worth says abou

between them by Mr. Harold Worth. I wish, with your permission, also to say a few words on the subject, and also to make a few remarks on what Mr. Worth says about Newcastle viewers.

I shall, therefore, in the first place, remark that it is quite clear Mr. Hopton is totally unqualified to write on the subject of the ventilation of coal mines. If I mistake not, he does not know, or did not know until very lately, the meaning of the word density. I think we have quite sufficient proof here that there is a want of Mining Schools in the Yorkshire district. And I must say I think also that if Mr. Worth has much knowledge of coal mining and of coal mining, the output to know that there is a very grant want of mining schools in every district, excluding none.

With respect to Mr. Wales, there is no doubt he has a good practical knowledge of ventilation; but whether he is qualified as a lecturer or writer on the subject is quite another question. My private opinion is that he is not.

With respect to the discussion between Mr. Wales and Mr. Hopton, it has been treated in the North with great and descreed contempt; it was, in fact, a discussion between a merely practical man on the one part, and a very ignorant man on the other; and on a very plain point indeed—one that would be solved by the merest tyro in the science in one minute.

We now some to what Mr. Worth aspect about the Lund Hill Colliery explosion—which he insinastes occurred under the management of a Newcastle viewer. In the specifical proof is the single of the subject to the discussion between the largest of the subject of the subject is quite not a Newcastle viewer. In the next place, I would remark that the consequences of that fearful catastrophe could searcely be charged to him; he had only been, I think, a lew months in the place. He sould searcely be charged to him; he had only been, I think, a lew months in the place. He found it isid out and in full working, and on the largest scie too. Dic he not say at the inquest that the system was the most w

Dots, to enable him to spout with any of the Newcastle lecturers. Does he mean those he mentions as having lectured?

In conciusion, I would propose to Mr. Worth to take another view of the subject he has broached, in order to test the abilities of viewers of different districts—viz., to take the number of colliseries (eap., the last three years, or since the passing of the Mine Inspection Act), the depth, gas produced, &c., at those collieries, number of men employed, tons of coal raised, cost per ton, number of secidents of all kinds, both from explosions and otherwise. I think that this would lead to something satisfactory on the subject.—Dec. 28.

A NORTH COUNTRY VIEWER.

EXTRACTION OF COPPER, SILVER, AND NICKEL FROM POOR ORES.

.—In the Journal of Dec. 19 you reverted to the treatment of poor copper ore a subject which both now and on previous occasions has attracted much attention I need not enter into details as to the difficulty of treating ores generally regarde I need not enter into details as to the difficulty of treating ores generally regarded as of little or no available value, either chemically or metallurgically, so as to benefit mines—those difficulties being sufficiently known to and felt by the ore-producing concerns. I may say, however, that metallurgical operations, if good returns are to be made, require to be worked on a large scale, and that large outlays should be made. The chemical treatment of these ores by the wet way is, though much improved of late, too long and tedious a process to be generally recommended. The new system promises to unto the west with the dry way, and it is reported to be based on such clear and simple principles that difficulties, hitherto existing may be said to have been overcome.

proved of late, too long and securities pitches and the dry way, and it is reported to be based on system promises to unite the wat with the dry way, and it is reported to be based on such clear and simple principles that difficulties, hitherto existing may be said to have been overcome.

The German scientific press has teemed with articles on the subject, and the writers being such men as Dr. Hartmann, of Leipsle; Mr. Hähner, the Saxon consul at Leghorn, and the Brothers Haupt, all of whom are personally known to me as gentlemen of great scientific attainments, together with the fact that the method is being practically worked in Tuscany, I am convinced that the invention deserves attention. The process has many advantages—the ores can be treated just as they come from the mine, without previous dressing; it is also particularly applicable for poor and middling ores, and also for such as contain sine, lead, antimony, arsenic, nickel, tin, &c., so that notwithstanding these admixtures a pure copper is produced. Zinchlende containing copper and silver san also be profitably treated; the process can be extracted out wherever a small quantity of water is to be had; it is extremely simple, requiring but a small outlay, little fust, and few hands; the loss of the metal to be extracted is reduced to the minimum, the loss varying from 1-10th to one-third per cent. of the total contents of copper in the ore, which it must be borne in mind is considerably less than that caused by dressing and smelting; the whole process is completed in a few days; a very small quantity of silver is extracted without increasing the cost, and gold, tin, zinc, &c., may be obtained by an after process, and several other products are yielded which may in many instances be profitably employed.

With regard to the cost, it may be stated that the treatment of 1000 kino. of orper would cost 35. These results have been obtained in several places, and the Austrian Government has appointed competent men to report upon the invention is already makin

GREAT WHEAL BUSY UNITED MINES.

SIR,—In the Journal of the 12th inst., you were good enough to give place to a communication from me, verified by my name, in which (considering your Journal the speediest and most eligible channel for conveying information to the shareholders

the those of Great Wheal Husy, and even shares of divice Qd-paying mines, have a in a particular of extraordinary depression such as that we have just passed through half or less, than half of their real value.

If a O. B. C. of anyone else, should desire further information, and will attribr names to their communications, every attention will be pair. But I declined notice amongmous w. hters.—Chaoseater, Cornwall, Dec. 22.

ORIGIN OF RAILWAYS .- No. IV.

From our great press of matter at the present moment, we are relectantly compelled to omit a large portion of the documentary evidence furnished us by Mr. W. H. James, to prove his late father's title as Originator of the Modern Railway System; but we consider the following certificate, in connection with a testimonial to his memory and a subscription for his children (which was not proceeded with for reasons before stated), so decisive upon that point as to satisfy the sceptical, and save us any further reference to that subject.

or decisive upon that point as to satisfy the sceptical, and save us any further reference to that subject.

Public Textinomial to the memory of the late William James, Esq., civil engineer and land agent, of Warwick, and New Boswell-court, London, by a sans of a general subscription for the family (consisting of four sons and one daughter). It is said was subscription for the family (consisting of four sons and one daughter) of the said was subscription for the family consisting of four sons and one daughter) of the said was always and the principal lines of railway subscription of the public services of the late William James, have resolved to paromote the above landable and benevolent design:

James Textinomial.—We, the undersigned, hereby consent to act as a committee for promoting a general subscription for the four sons and one daughter of William James, Esq., deceased, civil engineer and land agent—W. H. James, J. H. James, G. W. James, T. P. W. James, and Mrs. Paine—in consideration of their father's public services, as the original projector and surveyor of the Manchester and Liverpool Railroad, and many other of the most important railroads in this kingdom, principally at his own cost, we being of opinion that the great benefits conferred upon this country in particular, and the world at large, by his successful exertions, and great pecuniary sacrifices to the injury of his family (who were thereby deprived of alp parimony, and have suffored great privations for more than 20 years), entitle them not only to public sympathy, but also compensation—it being an acknowledged fact that to their father's labours the public are indebted for the establishment of the present railroad system:—H. Harvey, 53, Gracechurch atreet; Robert Stephenson, 44, Great Goorge-street; Joseph Woods, Bucklersbury; Edward J. Starbuck; Stopford Thomas Jones; J. C. Robertson, I. K. Brune), 18, Duke-street; Charles Vignoles; John Manerill, 9, Whitchall-place; John Sylvester, 96, Great Russell-street; Jiseph Locke; George Rennie; Geo

Temporary Offices, 35, Graecchurch-street.

Temporary Offices, 35, Graecchurch-street.

Electro Magnetism as a Motive Power.—Mr. J. P. Joule, Oakfield, Manchester, in a very long letter to the Times, states that a great deal of unnecessary mystery and difficulty has been introduced by writers on electro-magnetic machinery. Thus, we read of the advantages or disadvantages of reciprocating and rotary motion, of long stroke and short stroke, &c. The fact is, that the electro-magnetic engine is a very simple piece of machinery, and requires no great refinement of ingenuity to, give it all the perfection or which it is capable. In conjunction with the late Orscoreby, he produced on engin, see Phil. Mags., June, 1846) which realised (the force needed to overcome friction bung included) one-half of the theoretical maximum; but the same experiments which gave them this comparatively large result proved the utter hopelessness of increasing that amount of duty in practice to any but a very trifing expense. Comparing the power, developed by the consumption of 1 lb. of sine in a Daniell's battery with that of 1 lb. or wild in a steam or air-engine, we find the ratio in favour of the latter to be nine to one? So that, even if sine were as cheap as coal, and a voltaic battery as easily kept in wors. We latter as a source of motive power. The reason is obviously, that the mechanical to see developed in the oxidation of sine is much less than that developed in the combastion of each surface and the ratio in favour of the control of the control of each service of each in the condition of each service of each in the condition of fuel, be led through conductors into one channel, then might a reasonable hope in the control of each of each of the condition of each service developed in the each basistion of fuel, be led through conductors into one channel, then might a reasonable hope in the condition of each of each of the each basistion of fuel, be led through conductors into one channel, then might a reasonable hope of each each

Ordnance Manufacture.—It is argued by those fully competent to form an opinion that Parliament should insist upon it being considered, before the Government Cannon Factory for casting iron guns be finished, whether that metal in that form he not absolutely worthless for the arms now coming into use—it and 12-in, guns. In the early part of 1855, Mr. James Longridge, C.E., proposed to construct cannon of a tube covered with wire wound round itso tight that it should very much, if not quite, relieve the inside from strain. In June of the same year, Mr. Mailet read a paper to the Royal Irish Academy, advocating the construction of cannon of successive layers of cylinders, so gut together that all should be equally strained when the gun is fred; thus the inside would not be subject to fracture, while the outside is useless—as in a cast mass. His method of effecting this is to have each cylinder slightly too small to go over the one under it, tillexpanded by beat, so that when cool it compresses the interior and is slightly strained itself. The 35-in. mortars have been made on this principle, and if they have failed with 40 lbs. of powder, east-iron must have failed with still less. In 1836, Frof. Daniel Treadwell, V.P. of the American Academy, read a paper to that hady, recommending the same principle of construction; and Capt. Blakely, of Tunbridge Wells, has for some years been endeavouring to urge its adoption. During the past mouth there was a comparative riral of a 9-pounder, which he made with a cast-iron service gun of similar size and weight. Capt. Blakely's gun bore about double the amount of firing the service gun did, and being then uninjured was loaded to the muzzie 183 times, and thus fired before it burst. It is, however, believed to be useless to point out to Government any improvement, however palpable, until they have been so far prepared as to wish for improvement. The next step must be to induce them to appoint a board to examine all projects brought before them, even although 09/6, per cept. be v ORDNANCE MANUFACTURE.—It is argued by those fully competent to rm an opinion, that Parliament should insist upon it being considered, before

METROPOLITAN TRANSIT—TRAM-CARRIAGES.—There now seems every probability of the long-talked-of street trauway through the more crowded thorough-fares of the metropolis being reality commenced: the London Omnibus Tramway Company (limited) having issued their prospectus, and with such names attached to its awould justify one in anticipating a favourable result. The directorare Mesers. Macnamara, Armani, Coway, Johnson, Read, Hartiey, and Willing; the solisitors, Mesers. Wilkinson and Stevens, of Nicholas-lane; the secretary, Mr. A. G. Church; and the engineer, Mr. J. Samuel. The advisability of establishing some improved system of transit has long been acknowledged, and the laying down of tramways has been considered by far the most effectual way of accomplishing the desired object. Hitherto, however, a great obstacle presented itself, inamunch as had a tramway been laid the whole of the existing traffic would have remained, and there would, therefore, have been but hitter relief. The Tramway Company and indeed have brought new and improved wehicles on the road, but the old ones would have struggled to complete with them; at present, however, this obstacle does not exist, for as the majority of the omnibuses belong to the London General Omnibus Company, which is closely connected with the London Omnibus Tramway Company; Immediately on the tram way being completed, as masy as possible of the old vehicles will be withdrawn, so that the relief will be speedly felt, whilst the travelling public will be withdrawn, so that the relief will be speedly felt, whilst the travelling public will have fully equal accommodation. Lower fares are also promised, and as the expenses of working, after the first outlay, will be less than at present, there is every reason to anticipate that the promise will be performed. Full details of the plan were inserted in the Mining Journal of Nov. 13, and we then also gave an account of the meeting of the London General Omnibus Company, at which 30,000, were voted in furthernnee of the undertaki out; in a short time, therefore, we may expect a system of transit worthy of tropoils, and which will not admit of it being said that less populous cities advance of us.

devance of us.

GREVINE CIGARS.—A company, with a capital of 50,000/L, in 10/L shares (the Habana Cigar Company, Limited), has been formed for the purchase and sale of cigars of foreign growth and manufacture only, and for the purchase and sale of cigars of foreign growth and manufacture only, and for the purchase and sale of foreign tobacco. The difficulty which at present exists of obtaining Habana cigars in this country, except at an exorbitantly high price, is an acknowledged fact; whilst even where the highest price is given there is a total absence of anything like an adequate guarantee for either the genuineness or quality of the article supplied. A consideration of these circumstances has induced a small body of gentlemen, chiefly connected with the London Clubs, to form a company, having for its object the supplying consumers with genuine Habana cigars, at a reduction in price of from 30 to 50 per cent. upon what is ordinarily charged; and affording at the same time the security of a corporate body, pletiged by their articles of association to deal in none buffigures of foreign, as contradistinguished from European, growth and manufacture. Mr. L. Silberberg, so well known in the cigar trade, has been appointed manager, and the board of direction is composed of Sir W. Dickson, Bart, Lord Garvagh, Rear-Admiral Duntze, Col. Hammill, and A. Hanson, Eq. The company will always keep the celebrated brands—Carbanas, Figaro, Asucena, Guia, Globo, Intimidad, Noc. 1, 2, and 3 Manilla cigars—in stock, and trade will be carried on upon the ready money system.

THE IRONSTONE OF CLEVELAND.—By far the most valuable and important "mountains of ironstone" remain at present untouched, in consequence of the abrence of railway communication. The North Yorkshire and Cleveland Railway, which will be opened to Kildale on Feb. 1, will, in about twelve months open out immense tracts of ironstone, very much superior in quality to any ironstone at present worked in Cleveland, its percentage being from 40 to 50 per cent., and lying in solid rocks 8 to 12 ft. thick. This stratum lies almost immediately under the freestone; and from the absence of all impurities, (which exist more or lea-in the Cleveland stone at present worked), this seam of ironstone will be most valuable, particularly as a mixture, as it is very friable, and yields sasily in the furnace. It is somewhat remarkable that throughout the entire of the Cleveland district hitherto opened, none of this description of stone is found; but I believe it has been worked to some extent at Raithwaite, near Whitby, and considerable quantities have been shipped to Newcastle. It is expected to average 45 per cent. of medialic iron, and is remarkably free from near Whitby, and considerable quantities have been shipped to New ed to average 45 per cent. of metallic iron, and is remarkably free d phosphorus.—Newcoastle Chronicle.

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WERKLY LIST OF NEW PATENTS.

GRANTS OF PROVISIONAL PROTECTION FOR SIX MONTHS.—J. Scunidy, Kerasbach, and E. Ser. street. Surant: Improved method of making tyres for rail-way whosis.—P. A. is Counte de Powratus-Monacu, Paris: Marins or condensing steam-engines.—J. H. TAYLOR, B. T. KARNEY, Victoria Dock Road; Apparatus for the provention of smake, and for effecting a better consumption of fuel in steamboller furnaces.—T. C. WILKINSON, Ach ford: Pamp valves.

IMPROVEMENTS IN ONE DERSAING.—Mr. W. Uren, of Redruth, has forwarded as a plan of a machine which he has invented for the purpose of stampling ores, and according to the tener of his communication it would appear that his attention has been principally directed to those of tim. A series of chambers are formed, surrounding the interior of a large wit to relative the more as formed according to the tener of his communication it would appear that his attention has been principally directed to those of tim. A series of chambers are formed, surrounding the interior of a large wit to relative than the manner als there are kept in a so-attant state of irritation, by a contre bar with projecting arms. The minerals, which enter by one launder, are conveyed to the bottom of the apparatus, and by their specific gravity it is stated the most valuable fall into chambers, from whence they can be extracted, the surplits water and light substances being such arged at another launder. The heavier the minerals the greater will be the speed required. Mr. Uren calculates his machine will be able to take the work from 0 stamp heads, or at least operate on 50 tons delay, and that a quantity of staff may be dessed at a much cheaper rate than is now the case in Cognwall, Devon, and class where. Any improvements which could reduce the cost of dressing must be considered a great bong, especially in those localities where transport is a heavy item in the general charges of the miles. It may be remembered that some years since Mr. Thomas Petherick introduced a machine for Jigling ores; this was a mag useful investicut, but has never been its general employment. In many places, where smalling works have been at hand, it has been found more profitable to reduce the ore with as little dressing as possible. There are numbers of intensals which can be subjected to no other treatment than that of hand-dressing. Often the lighter particles, which are carried away by the action of the water, are the most valuable portion of the milest, and large

BEDLESS RAILWAY.—Mr. W. H. Ford, of Gloucester, proposes an end-se railway, which consists of a large wheel kept in position by guides, in which the mail, or driving whole.

Emblass Aniwat.—Ar. W. H. Fort, of rotucester, proposes an entriese railway, which consists of a large wheel kept in position by guides, in which the small, or driving wheel, runs.

Syram Engines.—Messrs. E. Whitaker, A. Law, and J. Fletcher, provisionally specified some improvements in steam-engines, which consist—firstly, in a particular construction of cam for varying the periods of cutting soff the steam. Upon a cylindrical surface they place or form a projecting part or parts, one edge thereof being at an angle to the axis of rotation; as this cam, therefore, revolves, different portions of the said angular line will successively arrive coincident with a stationary line, and by traversing the cam the said portions may be made to act upon a roller at varying periods, and thereby communicate motion through any usual mechanical parts to the valve; or the roller may be traversed instead of the cam, and these traversing motions may be effected by communication, with the governor. Secondly, they provide an arrangement of cam for cutting off the steam by the ordinary slide valve, in order to work expansively. For this purpose they pince two projections upon a revolving surface, the one of greater radius than the other, the lower of these operates upon the valves on as to close the induction passage, after which the higher comes into operation and effects the change of the passages. Also, they so arrange the lap of the valve hat the first motion above-motioned will leave the exhaust passage open. Another point of novelty in their invention consists in the employment of a certain, form of valve to be used after the unance of that apparatus known as expansion valves, for which purpose they employ the same arrangement as so now used as an ordinary throttle valve.

Preventino Deposits in Steam Boilers,—Messrs. Scheibl and Ofermann proposes to use a material consisting of Bargundy pitch, either by itself or mixed with one part charcools coot, or pine soot, which is applied to the boilers which seated.

STEAM-HAMMERS,—M

ess liable to get out of repair than those in general use, as well as being much cheaper.

MANUPACTURE OF GAS.—Mr. M. J. A. Mille, Paris, proposes to manuacture gas from a compound of 30 to 30 per cent. of coals, and the remainder ligneous obstances. The process of manufacture is the same as usual.

SEPARATING CALCAREOUS ROCKS.—Mr. Fontaine-Moreau has patented, or a foreigner, an invention which consists in drilling a hote 6 ft. in depth, into thich there is introduced a sufficient quantity of hydrochloric, or other said capable facting on carbonate of line. The said dissolves the carbonaceous substances, and orms at the base of the bore hole a cavity, which is charged with blasting powder and fired.

of acting on carbonate of lime. The sold disselves the carbonaceous substances, and forms at the base of the bore hole a cavity, which is charged with blasting powder and fired.

SAPETY LANTERNS.—Mr. B. Samuelson, Brough, proposes to admit the necessary air for combustion into, and discharge the products of combustion from, candle lanterns (for burning candies which do not require to be snuffed) through wire gause, similar to that of the Davy lamp, so that such candies may be safely burnt in such lanterns in mines and other places where explosive gases are liable to occur. By preference the candies are inclosed in a case fitted with a cap and spring, as in the ordinary "Palmer's" candiestick, such case being so ewed into the lantern from below, so as to dispense with all unnecessary openings in the lantern. The translucent parts of the lantern may be made double for the sake of safety, and may be composed of glass, horn, tale, or any other convenient material. What he considers to be his invention is, the application of the Davy gause to the air passages of candis lanterns in which self snuffing candies are burnt.

Electric Lightz.—Mr. C. W. Harrison, Woolwich, proposes to obtain electric light by causing electricity of any suitable degree of power to pass through, decompose, or vaporise compounds of metal with other elementary bodies, such as the oxides, chlorides, metallic surc both sold, alkaline, and neutral. These are for the most part in their ordinary solid state classed as non-conductors of electricity, but when readered failed by heat, they, with some exception, acquire a high degree of conducting power. He, therefore, fuses or liquides such of these substances as are espable of becoming conductors, by the application of heat, either derived from an electric current or other means, and then by any suitable arrangement or contrivance, causes a small stream or streams, or drops of such molted compound of two or more such solutions effect of, in some cases, the most brillian kind. He likewise obtains elec

electrode. He same makes cantable atrangements for retaining the vapours arising from such of the bodies as it may be desirable to preserve.

Generating and application of motive Power.—Mr. W. Beach, Burslem, proposes the employment of an exhauster, which is intended to set upon and produce a vacuum on one side of a piston working within a closed cylinder, operating in conjunction with an arrangement of valves and connections for permitting the free action of the atmospheric column, or of the expansive force or pressure produced from confined and rarefled air or vapour upon the opposite side thereof. The mode of applying the invention consists in employing one or more cylinders, similar to the cylinders of a steam-engine, and such cylinders are each fitted with one, or it is preferred to use two pistons, working accurately within then upon a through piston rod. If two pistons be employed, working within the same cylinder, such cylinder has an air-tight division for the purpose of dividing its length into two parts, in which tase the piston rod will pass through the said division, and be made air-tight by means of a gland and packing. The exhauster being set to work, a vacuum is formed between one face of a piston and the cylinder cover or end, whilst the pressure or expansive force is permitted to act upon the opposite face or side of the piston, whereupon the piston is caused to move forward rapidly towards the end of the cylinder, whilst, by means of suitably arranged inlet and outlet valves, the action is reversed, and thus the end of each piston rod being connected with a crank upon the motion shaft, a rotary motion will be communicated to it.

Locomotives.—Mr. Rudolph Bodmer, of Thavies Inn, for a foreigner,

JABIR, a rotary motion will be communicated to it.

LOCOMOTIVES.—Mr. Rudoiph Bodmer, of Thavies Inn, for a foreigner, has natented an invention for preventing the driving wheels of locomotives from slipping when the train is being started. A throttle valve is placed within the blast pipe, and when the train is to be set in motion it is to be completely closed; the steam admission valve being thereupon fully opened. The throttle valve is then opened just to the extent necessary to allow the train to move, so that the whole pressure of the steam if upon the piston, but the speed of the wheels must be proportionate to the quantity of steam allowed to escape from the throttle valve.

we quantity of steam anowed to escape from the throttle vaive.

WRITE PAINT.—Dr. C. Muratori, of Paris, proposes a new white from silicate of magnesis and oxide of sine, or from silicate of magnesis and carbonate of lead. This new kind of white is more solid, by its base of silica less dangerous to health, and less expensive. Its composition is easy, and within the reach of everybody. It also repeis humidity.

Body. It also repels humidity.

MANUFACTURE OF BRICKS.—Mr. P. Effertz, Nelson-square, in his improved machine for making bricks, employs two quadrangular vessels, in which plators work up and down, lato these and on the top of the pistons clay is fed by endless chains of buckets. As the pistons rise they bring up the clay on them, force is into the moulds and then recode, sfer wards the covering plates are turned back, and the frames of moulds turned out with the bricks upon them.

RAILWAY CHAIRS.—The Messrs. Robinson, Herendeen, and Shelden, of Canandiagua, U.S., have patented an improved description of key chair. The spike holes are placed nearly or directly under the key when in its place, so that the heads of the spikes will be in contact with the key, which prevents them from jarring out, whilst the spikes also keep the key in its position. The invention has given satisfaction on the New York Central Railway, where it has already been tried.

PAINT WITH SINGULA E PRESERVATIVE QUALITIES.—By subjecting eight parts, by weight, of timeed on and one part of subpur to a comperature of 1987, in an iron vessel, a specie; of paint possessing singular preservative qualities is produced. Applied to the surface of a building that are the surface of the stone, affordshire Adventiser, week, or brickwerk to which it is applied.—

FLUCTUATIONS IN THE STOCK AND SHARE MARKETS DURING THE YEAR 1857.

Consols	Jan, 1,	du	ring ye	ır. dı	ring ye	ar. P	resent.	
Consols	TO DESCRIPTION		D 0376		20 0079	*****	P 30.2	
Exchequer Bills	par.	*****	7s. pm.		Bbs. dis.		2s. pm	ı,
manways-Brighton	112		113%	*****	100	*****	107	ľ
Caledonian	6356		86	******	60%	*****	85%	ı.
Eastern Counties	46%	*****	60	*****	45%		5934	ľ
Great Northern	9136	*****	100	*****	90	******	98	L
Great Western	6916		69%		45%		84%	1
London and North-Western	106%	*****	109%		923%	*****	98 X	1
Midland	. 83	*****	92%	******	7812	******	91%	ŀ
Lancashire and Yorkshire		400000	103%	*****	88	*****	94%	П
North Staffordshire	12%	*****	14%	******	13	*****	14%	b
South-Eastern	74	*****	79%	*****	59		73	п
South-Western	10736		108 1	******	81%		96	Н
Borwick	84		9834		83 1	*****	. 98.	ı
York and North Midland	60		87	*****	59%	******	8634	l
Northern of France	3736	*****	41%		32	*****	3814	ı
East Indian	1133	*****	114%	*****	96		113	ı

The return of the Bank of England for the week ending Wednesday,

Dec. 50, compared with the previous weekly retu	rn, shows th	e following	results :-
Circulation issue	\$25,380,555	Decrease	£1,303,235
Circulation active	19,315,570	Increase	58,450
Public deposits	7,443,613		14,806
Other deposits	15,072,971	Decrease	78,847
Government securities in banking department.	7,541,491	Ingrease	2,048,735
Other securities in banking department	27,299,815	Degrease	788,371
Coin and builion in both departments	11,454,961	Increase	701,680
Seven day and other bills	827,405	Decrease	49,053
The Rest	3,558,708	Increase	16,668
Notes in reserve	6,064,985	Decrease	1,361,685
Total reserve (notes and soin), banking depart.	6,614,391	**	1,856,770

The over-issue of two millions has been cancelled, and the Government securities, upon which they were based, have been transferred back from the "issue" to the "banking" department. After making allowance for this deduction, the reserve of notes and coin in the latter department presents in reality an increase of 643,230l. This is arrived at principally by a decrease of 738,371l. in the "other" securities. The increase in the coin and bullion is upwards of 700,000l., raising this item to nearly cleven millions and a half. The total reserve of notes and coin is more than six millions and a half.

RAILWAY TRAFFIC. -The Traffic Returns of the Railways in the United

RAILWAY TRAPPIC.—The Traffic Returns of the Railways in the United Kingdom for the week ending Dec. 26, amounted to 425,014., and for the corresponding week of 1856 to 431,4154., showing an decrease of 5,5014. The gross receipts of the eight railways having their termini in the metropolis amounted for the week ending as above to 190,6854; and for the overseponding week of last year to 190,7384., showing a decrease of 504.

The decrease on the London and North-Western amounted to 99374.; but from this must be deducted 4714, the increase on the Eastern Countie; 3171. on the Great Northern; 18984. on the Great Western; \$21. on the London and Blackwall; 4354. on the London, Brighton, and South Coast; 1364. on the London and Blackwall; 4354. on the London, Brighton, and South Coast; 1364. on the London and Blackwall; 4354. on the London, Brighton, and South Coast; 1364. on the London and South-Western; and 5434. on the South-Eastern; together, 38574.: leaving the decrease, as above, 504. The receipts of those lines, which, added to the decrease on the metropolitan lines, makes the total decrease 50914. as compared with the corresponding week of 1856.

The traffic receipts on railways is the United Kingdom for the year 1857 amounted to 23,5672,4654. on lines that published their traffic receipts weekly, and to about 490,0004. on those that do not making together, 24,102,4654. The traffic receipts for the year 1856 amounted to 22,995,5004., showing an increase of 1,105,6054., or 51 per cent. Were it not for the falling off in the traffic from the depression of trade in the last uniter, it is probable that the increase would have been between 209,0004. and 400,0004. more. The mileage over which the traffic was conveyed in 1856 amounted to 29,916,167,171 miles of railway over which the traffic was conveyed in 1856 amounted to 29,916,2604., which applies chicfly to Inferior and branch lines, averaging, as it would appear, about 20,0000, per mile. On comparing the average cost of railways in 1859 with that of railways in

Caledonian Railway Company.—An extraordinary meeting of this Company was held at Giasgow, on Tuesday, "for the purpose of guarantecing in perpituity a fixed dividend, at a rate not exceeding five per cent, per annum upon those of the Caledonian Railway Granton shares in regard to which notice had been given by the holders thereof of their desire to receive a fixed guaranteed dividend in perpetulty, in lieu of the proportion appertaining to the shares held by them respectively, of the net profits arising from the railways and works authorised by the Caledonian Railway Granton branches) Act, 1857. "Mr. William Johnston, chairman of the company, occupied the chair, and explained that the guarantee extended only to the stock raised by the Caledonian Company, and that the Duke of Buccleuch's 30,000d. of stock was unguaranteed. A resolution approving of the proposed guarantee was unanimously carried.

Smoke-Consuming Locomoriums.—One of Reattic's ample approximantee.

antee was unanimously carried.

SMOKE-CONSUMING LOCOMOTIVES,—One of Beattie's smoke-consuming locomotives has just been tried on the East Lancashire Railway, and has given every satisfaction. As we have already described the invention, it is unnecessary now to enter into mechanical details. The system has worked very accessfully on the South-Western line, and will no doubt be generally adopted. The East Lancashire experiments were made in the presence of Mr. Blackmore, secretary of the Lancashire and Yorkshire Railway; Mr. Lees, superintendent of the locomotive department; Mr. Fothergill; Mr. Davies; and two gentlemen from the works of Messars, Beyer, Peacock, and Co., of Manchester, by whom the engine was manufactured.

cock, and Co., of Manchester, by whom the engine was manufactured.

THE FIRST RAILWAY ENGINEER.—During the past few weeks we have published a series of papers, establishing the fact that we are indebted to the late Wm. James for the projecting of the present railway system, although hitherto nothing has been done to make it apparent that his services have been appreciated by the public, who have derived so much advantage from its introduction. Men possessing great talent are ever found less competent to thrust themselves forward in a manner calculated to ensure their success, through gaining the patronage of the wealthy and influential, than those who with but ittle ability have the tast to appropriate the ideas of others, regardless of the true proprietorship; consequently, we often find inventors in the most pitable condition, and schemers enjoying the greatest affluence. Mr. James was the first to practically bring forward the present railway system, and principally at this own expense surveys, moreover, were made before George Stephenson was known as a railway engineer, yet the one reached the highest possible position in his profession, and died wealthy; whist his predecessor was unable to leave his family, reared in the assured expectation of wealth, any worldly inheritance beyond the memory of his talents, which were successfully devoted to the promotion of the interest of mankind, Before Mr. James commenced his speculative career he was lord of Snowford manor, besides other landed and mineral extate of great value, which, with his other property, was estimated at nearly 200,000.; and was realising by his professional avocations upwards of 10,000, per annum. He made a will, leaving to his eldest son, Mr. W. H. James, 30,000, and to his other six children 10,000, each—the whole of which, however, was sacrificed, and a considerable portion thereof in his favourite railway projects, for which neither he nor his family ever received the slightest benefit. That Mr. James was the true projector, we have the te

the manufacture of artificial flowers, and for many other purposes.

IRON SHIPBUILDING.—Mr. John Weale has published, as one of his Rudimentary Treatises, an excellent work on this subject, by Mr. John Grantham, C.E., of Liverpool, who, it will be recollected, made the question the substance of the usual annual address to the members of the Liverpool Polytechnic Society, in 1842. The introduction is devoted to the early history of iron vessels, and epitomises a vast amount of information of much interest to the general reader. The construction of iron vessels, the process of building, the kind and quality of iron used, machines, tools, &c., are each treated of, and the book, whether regarded as a handbook for the practical man, or a popoular treatise on the subject, is well worthy of perusal: 24 plates are also published, which render the book far more valuable. We shall refer more fully to the object of the work in our next, with the view of showing the superiority of iron as a material for shipbuilding.

Directive of a Living Frong in Solut Rock—A few months age.

showing the superiority of iron as a material for shipbuilding.

DISCOVERY OF A LIVING FROG IN SOLID ROCK.—A few months ago, while some colliers in the Dundonald Colliery, in Fife, were engaged in taking out the pavement of a seam of coal, which was freestone, they discovered a cavity in which a frog was lying. On touching it the frog jumped about for a short time; a bucket of water being procured, it was put into it and taken to the surface. The animal was then found to be deat. It was found at the depth of 99 yards from surface, in a perpendicular line of strata, consisting of alternate layers of coal and free-stone, with ironstone, and about 400 yards from the outcrop ourface. The frog seems to have much of the same character as the present species. It is very attenuated. Its original existence is, of course, considered contemporaneous with the formation of the freestone rock in which it was contained.

Meetings at Mining Campanies.

WHEAL GUSKUS MINING COMPANY.

WHEAL GUSKUS MINING COMPANY.

A meeting of shareholders was beld on Monday, at the offices of the company, Cannon House, Queen-street,—Mr. Alfrarb Goslerr, in the chair.

After the usual preliminary proceedings, the Mr. A. Javrake (the secretary) read the following reports:—

Dec. 26.—We are compelled to suspend operations on the new lode for a short time, in consequence of bad air. The winze sinking under the 50, west of Rapson's shaft, on Martin's lode, is worth 10i, per fm. for tin—a most promising lode. In the 30 and, driving east of the cross-cut at Francis's shaft, the lode is 3½ ft. wide, which is stamping work: this lode made a great deal of tin near the engins-shaft, and, from present prospects, it is likely to yield a great quantity more. We consider the mine is much improved during the last three months. We calculate that the cost for the next two or three months will amount to about 260, per month, and the samplings are likely to increase.—J. Dale, J. Richards.

to increase.—J. Daus, J. Richanos.

Dec. 20.—We are obliged to suspend operations on the new lode for two or three months, in consequence of impure air in the 30 end, and the grass-water being too quick in the new shaft. The lode in the winze sinking under the 30, west of Rupson's shaft, on Martin's lode, is 2½ ft. wide, worth full 101, per fm. for tim. In the 30 end, driving east of the cross-cut, at Francis's shaft, on Guskus lode, the lode is 3½ feet wide—low price stamping work for tin, and letting out a quantity of water. This is the lode which made the tin about the engine-shaft—a very promising one. We are cross-cutting for the said lode 50 fms. farther east, in the said level, and I calculate that a cross-cut of 5 fms. will intersect it, and will, I hope, be accomplished in about a month from this time. The former workers lost this lode about 30 fms. east of the engine-shaft, and it is now only seen for about 5 fms. in the 30 fm. level. I have placed a pare of men to put up a rise in the back of the 60, west of the engine-shaft, on Martin's lode: this place of ground is now working for 10s, in 14. tribute. I calculate our monthly cost will be 240t., and, from present appearances, our tin samplings are likely to horcase.—J. Richanos.

The Charkman observed, that they would see from the reports that the mine was in

Total Amount received of last call ...

BOILING WELL MINING COMPANY.

A general meeting of adventurers was held at the offices of the company, Austiniars, on Monday,

Mr. Boylk in the chair. friars, on Monday,

Mr. Kine (the secretary) read the notice convening the meeting, and the minutes of the last, which were confirmed.

A statement of accounts was exhibited, from which the subjoined is condensed:—

Excess, tin and lead, last account 0 17

Excess, tin and lead, last account 20 17

Excess, tin and lead, last account 20 17

Excess, tin and lead, last account 20 17

Balance last audit 20 20 18

Mine cost and merchants' bills, Aug. 699 13 40

Rept. 606 3 1

Pr. 681 12 7

90 8 11 = 2117 0 1 Balance in favour of adventurers £ 54 12 3

shalt. These points I call your attention to until further improvements take place. I think, on the whole, our prospects are equally as good as three months since.

Mr. Kine said, in consequence of the fall in the standard, the highest tender fo the lead was 20t. Is, por ton, a reduction of 3t. 10s. per ton on the former sale.

The accounts were then received and adopted.

Mr. Hint wished to know the average price of tribute en lead?

Mr. Kine replied that they paid 6s. 3d. in 1t., but bought the lead, at 13t. per ton; so that, in point of fact, it would reduce the tribute paid to about 4s. 3d. in 1t.

The Crainana said, as Mr. King had recently visited the mine, it might be satisatory to the shareholders if he explained their present position.

Mr. Kine, by a plan, fully detailed the operations. The engine-shaft was down to the 6b below addit: and Capt. Delividge informed him that the next three months' operations would throw such an additional light on the castern workings, that he would be in a position to state definitely what course should be adopted in relation to sinking a new engine-shaft. At Austin's shaft the lode was large and orey. At Syrett's the lode from the adit to the 20 was greatly improved, and in a few feet sinking the lode was expected in the shaft, and if as good there as in the 20, it would pay the cost for sinking. Should the lode at the eastern end of the sett continue to improve as it had done, he would recommend the putting up of a 30 or 30 in. engine, with 14 inch pitwork, which would command the whole of the eastern part of the mine. At the western boundary, the Alfred Consolscross course runs through the sett, and between two cross-courses they have from 150 to 200 fathoms of untried ground. The present for inching and the shaft, and if he work, would enable the agent to drive through the first cross-course, and test the western side.

The Charmana said, a set to receiving a dividend was not to have to pay any money, and he considered their prospects so excellent that, with the sli

tion was very satisfactory.

Mr. Hallers said it was the only mine with which he was connected that the statements of the old miners were more than verified.—Mr. Statems considered the re-

sults had been very satisfactory, as from the upper levels they obtained jack and lead that realised a good price.

Mr. Averix considered there was a good fature for them as they went down in depth. The committee of management were then unanimously re-elected.

Mr. Kixo said it was a treat to go over the mine to see the way it was laid out; there was no waste of material on the "surface, as was the case on many mines he had visited, and the whole of the operations were carried on with the greatest economy. Mr. Bungwar proposed a vote of thanks to the Chairman, committee, and secretary. The Chairman considered they owed a great deal to the secretary, as his friends held a considerable interest in the mine, and he had exerted himself a great deal part from his duty as secretary, and be sincerely hoped they would all be rewarded for their patience and perseverance.—The resolution was then carried with applause, and the proceedings terminates.

HOLMBUSH MINING COMPANY.

A meeting of shareholders was held at the offices of the company, 17, Gracechurch-

reet, on Wednesday, Mr. Pilcher in the chair.

Mr. E. Carass (the secretary) read the notice convening the meeting, and the mimices of the last, which were confirmed.

The following report, from Capt. Seccombe, was then read:—

Ameeting of shareholders was held at the offices of the company, 17, Gracecharchs artreet, on Wednesday, Mr. Fracana in the shair.

Mr. E. Cancas (the secretary) read the notice convening the meeting, and the minutes of the last, which were confirmed.

The following report, from Capt. Seccombe, was then read:—
Dec. 24.—Since the last meeting the 160, east of the diagonal, has been driven east a function of the control of t

Balance against adventurers £2480 6 6

Balance against adventurers

The Chairman said the directors had received a letter from Capt. Seecombe, stating his reason for not paying the current cost of the mine, which arose, as they all knew, from the great fall in the standard. The letter having been read, Mr. Bransar considered that it would be only doing justice to Capt. Seecombe to append his letter to the report, as he was of opinion it explained the reason he had not fulfilled his promise, and over which he had no control.

Mr. SAUDDERS wished to know whether there was any better prospects for the next ix months.—The Chairman considered the report very favourable, but it was impossible to tellwhat the result might be, as it was in the earth, and a great deal must depend upon the standard.

Mr. SAUNDERS moved that the reports and accounts be received and adepted, which was seconded, and carried unanimously.

Mr. WARTON said his objection to carrying on the mine continued the same, nor withstanding the reports that had been laid before them, and led them on for twenty years. They had detrimined to wind-up the mine, when Capt. Seecombe came forward with his explanations, that the mine should pay cost in two years. That time and the same and, and cost paid, but the proprietor forgot that the mine at that time was nearly with a serious described and an end, and cost paid, but the proprietor forgot that the mine at that time was nearly 4000. In debt, and they had been working it down from that amount to about 1600? The directors held about two-thirds of the mine, and he did not think they would make unnecessary calls; and he must call their attention to the state of the mine, and what it was two years ago. He considered the shares now worth three times the value they were then at.

Mr. Saundras wished to know the gross amount they were now in debt?

Mr. Jaures replied, about 22001; but since then the October cost and the last sale had reduced this amount to about 16000.

The Chairman said another call must be made, but the directors thought they would wa

The Unalization and the present meeting, in order that the state of the would wait until after the present meeting, in order that the state of the accounts, and also to examine the mine. He had been told that a large saving could be effected with the merchants. He had made it his business since the last meeting to communicate the mine. He had been told that a large saving could be effected with never an accommended that the merchants. He had made it his business since the last meeting to communicate with several gentlemen well acquainted with mines, and a very worthy man had with several gentlemen well acquainted with mines, as one who would honessly and correctly report to the proprietors. During his enquiries he had heard Captain Secondhe spoken of in the very highest terms, both as a good miner and an honourable man; all the information he had received confirmed the character given of him, but the question was whether he had time to carry out all the work which was inspected upon him.

in upon him.

JAMS said that there could not be the least objection to the proposition of Mr.

JAMS said that there could not be the least objection to the proposition of Mr.

ton, which was very different to appointing a parser. They had got a clerk to
the accounts. The coal, which was the principal article in the merchants' bills,
regularly contracted for.

JAMS having seconded the resolution, it was unanimously passed.

CHALDMAN said, the business having concluded, he would take the opportunity
which to the lumentable loss of their respected friend, Mr. Huket, and he was Mr. James having seconded the resolution, it was unanimously passed.

The Chairman said, the business having concluded, he would take the opportunity of alluding to the lamentable loss of their respected friend, Mr. Hacket, and he was sure all would receive the intelligence with the same regret. Mr. Hacket had expresse, much anxiety about this meeting, and was at a meeting of the board on Wednesday lack. He need not say how much all would feel his loss as a director, and it might be some eatisfaction to his widow and family if the meeting expressed their regret at the great loss they had sustained.

Mr. Warron bo. testimony to the amisable qualities of Mr. Hacket, and his valiable services as a director for so long a period. He concluded by moving a resolately services as a director for so long a period. He concluded by moving a resolation that the condolence and sympathy of the meeting be given to the widow and family, expressing their great regret at the loss they had sustained.—The resolution was seconded and carried unanimously.

Mr. Warron wished to know whether they intended to fill up the vacancy in the board?—The Chalenan suggested that the question should stand over until the next annual meeting.

annual meeting.

Mr. Warrow proposed a vote of thanks to the directors, observing that whether the mine paid or not, the most zeafous attention was paid to their affairs.

Mr. Bindsky, in seconding the resolution, said, upon looking at the reports, he considered their prospects had greatly improved, and hoped when they met in March next they would be still better. (Hear.)

ey would be still better. (Hear.)
resolution was then unanimously carried.
PARIERAN, in returning thanks on behalf of the board, said they would do the
in their power to carry out the undertaking to a successful issue.

WHEAL POWELL, IN THE PARISH OF KENWYN, NEAR TRURG. VALUABLE MACHINERY AND MATERIALS FOR SALE.

VALUABLE MACHINERY AND MATERIALS FOR SALE.

MESSRS. WARE AND SON WILL SELL, BY AUCTION, on Wednosday, the 6th day of Jasuary, 1885, at Eleven o'clock in the forenous, the WHOLE of the MACHINERY and WORKING PLANT on the above mine, comprising an excellent 30 in. cylinder STEAM-ENGINE, 3 ft. stroke in cylinder, and 6 ft. in shaft, and boiler about 10 tons; shears and sheaves, complete; 3-arm captan; about 44 ms. of 9, 10, and 11 in. pumps, with doorpieces, working-barrels, and windbore; 30 fms. of 1½ in. bucket-roots; horse-whim, with shaft tackle and sheaves; 30 fms. of whim-rope; 50 fms. of ½ in. chain; excellent double power crab wineb; 40 fms. iron stave ladders, nearly new; one piece of 9 in. main rod, 55 ft. long, and one piece of 6 in. main rod, 45 ft. long; whim kibbles, air pipes, sine pipes, barrel of tar, powder, 30 in. smith's bellows, expenters and smith's tools, old from and rope, barrows, new and old timber, with several lots of account-house furniture, &c. The auctionsers beg respectfully to invite punctual attendance, as they purpose selling the whole in one day. Catalogues will be ready one week prior to sale.

Dated Parls-street, Exeter, Dec. 23, 1857.

IMPORTANT TIN MINE IN ST. JUST, PENWITH, CORNWALL, FOR SALE MR. BELLRINGER WILL SELL, BY AUCTION, on Monday, the 18th day of January next, at Three o'clock in the afternoon, at the Three Tuns Hotel, Pensance, in One Lot, on seah conditions as shall be then produced, the SETTS of BALLESWIDDEN MINE, in St. Just, with the DRAFT ENGINE, 45 in. oylinder, with two boilers; STEAM STAMPS, of 38 in. oylinder, with two boilers; STEAM STAMPS, and OTHER MACHINERT, ERECTIONS, and PLANT, of every description, as the mine stands, in full operation and working order.

working order.

Leave to view the mine, and inspect the setts, may be obtained at the offices of Mr.

R. V. Davy, the purser, East-street, Penzance; and all other particulars of the auctioneer, and Messrs. MILLETT and BORLASE, solicitors, Penzance.

Dated Dec. 28, 1857.

POSTPONED FROM FRIDAY, 1st JAN., TO TUESDAY, 5ts JANUARY.

N TUESDAY, the 5th January, at Twelve o'clock, at the Broker'
Office, 16, Exchange-buildings, Liverpool, 156 barrels and 207 half-barrel
PHOSPHATE O'F LIME, landed ex Robert Keily, from New York.—Apply to Meases
Guiow and Co., merchants, or to J. H. Baynen and Co., brokers, Liverpool.

OUTH WALES.—Mr. ARTHUR O. DAVIES, of Dowlais, is authorised to TREAT for the SALE of TWO VERY VALUABLE GOING COLLIERIES in South Wales.

Also, TO LET, an EXTENSIVE TRACT of STEAM COAL, on a long lease, at a moderate royalty, with a railway running through the property. For terms, apply as a bove.

TO SMALL CAPITALISTS.—TO BE SOLD, for £150 only, to valuable PATENT RIGHT of IMPROVEMENTS IN FURNACES TO PROVENT SMOKE, peculiarly ADAPTED to STEAM-BOATS, which, by the recent are compelled to prevent the issue of smoke. The inventor, who is the chief engin of a large steam packet company, has tried the plan on several large ships with grauceess, certificates of which may be seen; and the royalties will be great in anoty year or two. He is going abroad, and, therefore, wishes to part with the patent Letters only to "L. L., Eq.,." Mr. Deacon's, 154, Leadenhall-street.

TO IRONMASTERS, ENGINEERS, AND FOUNDERS.—
The HARRINGTON IRON COMPANY are now PREPARED to SUPPLY
MELTING and FORGE PIG IRON, made from the rich HEMATITE IRON ORES
of CUMBERLAND.—Address, Habrington Iron Company, Cumberland.

of CUMBERLAND.—Address, HARRINGTON IRON COMPANY, Cumberland.

VALUABLE COLLIERIES AND COLLIERY PLANT, AT
WATNALL AND GREASLEY, NOTTINGHAMSHIRE, FOR SALE BY
PRIVATE CONTRACT.—TO BE SOLD, BY PRIVATE CONTRACT, by order of
the Assigness, under a Deed of Assignment, the UNEXPIRED TERMS of YEARS
in ALL those COLLIERIES, situate at Watnall sand Greasley, in the county of Nottingham, lately worked by Mr. James Morley, with the STEAM-ENGINES, RAILS,
IMPLEMENTS, MACHINERY, GERRING, and PLANT, therein and thereon, iscluding a PRIVATE RAILROAD to the Nottingham Canal; inventories of which
may be inspected at the collieries, and at the office of Mr. Hunz, solicitor, Weekday
Cross, Nottingham.

An excess, estimated at £3000, in respect of minimum rent, has been paid to one of
the lessors, of which excess the purchaser will have the benefit.

Approved security will be taken for payment of the purchase-money by instalments.
The terms of the lesses and contracts under which the collieries are held may be
known, and any further particulars obtained, on application at the offices of Mr. Hunz,
of Mesers, W. and R. Enfield, solicitors, Nottingham; or of Mr. F. Baken, solicitor,
Corn Market, Derby.

RONSTONE AND COAL, CARMARTHENSHIRE.—TO BE LET, the numerous VEINS of excellent IRONSTONE and the COALS in the FARMS of CWM-GRWGYLLO, and PEN-Y-GRAIG, situate ness Pontyberem, in the Gwendreath Valley, and consisting of about 160 acres. The whole of these veins are on the north crop of the lowest measures of this coal basin, and are well known to produce the best ironstone in South Wales.—For particulars, apply to Mr. JOSHUA RICHARDSON, C.E., Nesth.

TO BE LET, EXTENSIVE ROYALTIES OF COAL, amounting to 1000 acres, to which more may be added, if requested, in the township of Fishburn. county Durham, the seams of which have been bored to. They are known to be applicable to steam-boat, manufacturing, and coking purposes.—For particulars, blans, &c., apply to Mr. Taos. E. Forsten, 7, Ellison-place, Newcastic; or to Mr. E. F. Boyd, Urpeth, Chester-le-street.—Oct. 8, 1857.

DUMPING AND WINDING ENGINES.—FOR SALE, an excellent 50 in. PUMPING ENGINE, 10 ft. stroke, two boilers 10 ions each, in perfect condition, nearly new, with fire-proof house. A 24 in. WHIM HORIZONTAL ENGINE, with 10 tons boiler, nearly new, in excellent condition, and drawing meabing attached.

drawing machine attached.
As these engines are very superior in make and condition, parties requiring engine
will do well to examine them.—Apply to Mr. C. Wzscown, 21, Southernhay, Exeter.

TEAM BOILERS.—COAL PROPRIETORS and others requiring BOILERS, for home use or export, of first-rate make, cheap, and proved to a high pressure, apply to ELIS LEVER, Ellesmere-place, Stockport-road, Manchester.

STEAM PUMPS, FOR LAND AND MARINE PURPOSES SINGLE or DOUBLE ACTING: sizes from 2)4 to 12 in. diameter, and from 4 to 15 in. stroke; by JOHN CAMERON. Used for feeding boilers, raising water (for recervoirs, tanks, irrigation, &e.), turning power, or as a steam fire engine. Works, Egerton-street, Hulme, Manchester.

A IR SHEETING, or BRATTICE CLOTH, made expressly for COLLIERY PURPOSES, in all widths, from 18 in. to 80 in.—Samples, with price, on application to the manufacturer.

ELLIS LEVER, Ellesmere-place, Stockport-road, Manchester.

ELLIS LEVER, Elleamere-place, Stockport-road, Manchester.

VICKLOW COPPER MINE COMPANY.—The STATED

HALF-YEARLY MEETING of this company will be HELD at their office,
10, Leinster Chambers, 43, Dame-street, on Thursday, the 14th day of January next,
at the hour of Twelve o'clock. The statement of accounts and report will be ready
for delivery to debenture holders on Thursday, the 7th proxime.

And notice is also given, that, after the business of said meeting is concluded, a
SPECIAL EXTRAORDINARY MEETING of debenture holders of said company
will be HELD at same place, to consider and resolve whether or not this company
shall register itself as a company under the Joint-Stock Companies Acts, 1856–1857,
and whether with or without liability; and if an affirmative resolution should be
passed on the above question, or any part thereof, also to consider and resolve upon
the doing of the necessary acts, and the confirming of the necessary authorities, for
carrying into effect such affirmative resolution.—Dublin, Dec. 31, 1857.

In the Matter of the JOINT-STOCK COMPANIES WINDING-UP ACTS, 1848 and 1849, and of the MEXICAN AND SOUTH AMERICAN COMPANY.

THE MASTER OF THE ROLLS, the Judge of the High Court of Chancery to whose Court this matter is attached, has this day APPOINTED ROBERT PALMER HARDING, of No. 5, Serie-street, Lincoin's Inn, in the county of Middlesex, accountant, OFFICIAL MANAGER of this company.

AMORY, TRAVERS, AND SMITH, 23, Throgmorton-street, Solicitors.

Dated this 5th day of December, 1857.

THE MASTER OF THE ROLLS AT CHAMBERS.

In the Matter of the JOINT-STOCK COMPANIES WINDING-UP ACTS, 1848 and 1849, and of the MEXICAN AND SOUTH AMERICAN COMPANY.

OTICE IS HEREBY GIVEN, that all parties CLAIMING to be CREDITORS of the above-named company are to COME IN and PROVE THEIR DEBTS before the Master of the Rolls, the Judge of the High Court of Chancery to whose Court the winding-up of this matter is attached, at his Chambers, Rolls-yard, Chancery-lane, in the county of Middlesex; and until they shall so come in they will be precluded from commencing or prosecuting any proceeding for recovery of their debts. And notice is hereby further given, that the said Judge has appointed Friday, the 8th day of January, 1859, at Twelve o'clock at noon precisely, at his Chambers as aforesaid, for hearing and adjudicating upon the claims; and the creditors of the said company are hereby called upon by the said Judge to meet before him, at the time and place before-mentioned, for the purpose of appointing one or more person or persons to represent all the creditors of the said company in or about the proceedings before him, or in and about so many and such of the same pro-

ore nim, at the time and place before-mentioned, for the purpose of appointing one or more person or persons to represent all the creditors of the said company in or about the proceedings before him, or in and about so many and such of the same proceedings as to the said Judge shall from time to time seem expedient.

Dated this 10th day of December, 1857. GEORGE HUME, Chief Clerk. The particulars of all claims, together with a copy of the affidavit to be used in support thereof, must be forwarded to the Official Manager on or before the lat day of January next.

R. P. HARDING, 5, Serie-street Lincoln's Transparence of the same proceedings as the said support the lat day of January next.

ry next..
R. P. HARDING, 5, Serie-street, Lincoln's Inn, Official Manager.
AMORY, TRAVERS, AND SMITH, 25, Throgmorton-street, Solicitors.

HEMICAL LABORATORY AND ASSAY OFFICE,

1, OXFORD COURT, CANNON STREET, LONDON, E.C.

Mr. B. V. TUBON, F.C.S., F.S.A. (late Demonstruor of Chemistry at St. Bartholomew's Hospital), may be CONSULTED on all SUBJECTS involving CHEMICAL PRINCIPLES; and is prepared to EXECUTE all kinds of METALLURGICAL AGRICULTURAL, COMMERCIAL, and other ANALYSES.

Mr. TUSON has a vacancy for a pupil, resident or otherwise.

A S S A Y O F F I C E A N D L A B O R A T O R I E S,
DUNNING'S ALLEY, BISHOPSOATE STREET WITHOUT, LONDON.
Conducted by John Mitchell, P.C.S., Author of "Manual of Practical Assaying,"
Metallurgical Paper., &o.

Assays and Analyses of every description performed as usual. Special Instruction
in Assaying and Analysis. Consultations in every branch of Metallurgical and Manufacturing Chemistry. Assistance rendered to intending Patentees, &c.

For amount of fees, apply to the office, as above.

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Drawings and specification may be seen at the company's offices, Stow Hill, Newport, Meamonthshire.
Tenders to be addressed to the directors, and delivered not later than Ten o'clock Am., on the 12th January, 1858. The directors do not bind themselves to accept the lowest or any tender.
Newport, Monmonthshire, Dec. 29, 1857.

west or any tender. Newport, Monmouthshire, Dec. 29, 1857.

ONDON AND NORTH-WESTERN RAILWAY.

CONTRACT FOR PERMANENT WAY MATERIALS.
The Directors of the London and North-Western Railway Company are prepared to receive TENDERS for the SUPPLY of the undermentioned MATERIALS:

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170 tons of FISH PLATES.

170,000 OAK KEYS.

125,000 OAK TRENAILS.

Specifications, with particulars, may be obtained on application to Mr. Woodhouse, at the Fernament Way Office, Railway Station, Stafford.

Tenders addressed to the secretary, at this office, to be sent in on or before Wedlesday, the 6th January, 1858.

CHARLES EDWARD STEWART, Sec.

Secretary's Office, Euston Station, Dec. 21, 1857.

CALEDONIAN RAILWAY COMPANY.—At an EXTRAORDI-NARY GENERAL MEETING of the Caledonian Railway Company, held at he Merchants Hall, Hutcheson-street, Glasgow, on Tuesday, the 22d day of Decem-ser, 1857,

er, 1857, WILLIAM JOHNSTON, Esq. (Chairman of the Board of Directors), in the chair.

ber, 1837,

WILLIAM JOHNSTON, Esq. (Chairman of the Board of Directors), in the unniv.

The advertisement calling the meeting having been read,

It was resolved unanimously:—

That, in terms of the 34th Section of the Caledonian Railway (Granton Branches)
Act, 1837, the company shall, and do hereby, guarantee in perpetuity a fixed dividend
of 5 per cent. per annum upon the Caledonian Railway Granton Shares, numbered
dolt to 1200 inclusive, in respect of which notices have been given by the holders
thereof to the secretary of the company of their desire to receive the said fixed guaranteed dividend, in lieu of the proportion appertaining to the shares held by them
respectively of the nett profits arising from the railway and work, authorised by the
said Act.

ARCHD. GIBSON, Sec.

South Act.

WM. JOHNSTON, Chairman. ARCHD. GIBSON, Sec.

ARCHD. GIBSON, Chairman. ARCHD. GIBSON, Sec.

COMPANY.—Creation of \$5,555 New Shares, of £18 each.

The Board of Directors hereby inform the shareholders of the Bombay, Baroda, and Central India Railway Company, that the Hon. East India Company have intimated their approval of an increase of the capital of this company to the extent of £1,000,000, with a guaranteed interest at the rate of 5 per cent. per annum upon such additional capital, on condition that a fourth part of that capital is paid into the Company's treasury on or before the 18th day of March next. It has accordingly been resolved that the said new shares be offered to the shareholders of this company registered on the 15th day of January next, in the proportion of four new shares to every three existing shares, conditionally upon the execution of the Deed of Accession, and conditionally as to parties on the English register of shareholders upon the payment of £4 10s, per share, in part payment of the amount of such new shares, on or before the 16th day of March next, at the Bank of England, Threatneedle-street, to account of this company; and in case of parties on the Indian register of shareholders, conditionally, upon payment to the Oriental Bank Corparation, at Bombay, to the account of this company of £4 10s, per share, at the exchange of 1s. 10d. per rupes, on or before the 29th day of April next.

The parties accepting such new shares may, in addition to the sum of £4 10s, per share, and in anticipation of feature calls, pay the further sum of £5 10s, making £9, or £13 10s, per share, and shall be entitled to interest on the amount so paid, in anticipation of calls, at 5 per cent. per annum from the time when the same shall be paid to the Honourable East India Company. With a view to the convenience of parties who may wish to pay the deposit or payments in anticipation of ealis before the 16th of March next, the directors have arranged that such payments made into the Bank of England

Offices, 10, Liverpool-street, New Broad-street, London, Dec. 31, 1857.

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BIRECTORS.

BIRECTORS.

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JAMES B. ALEXANDER, Esq., 21, Tokenhouse-yard, City.

WILLIAM C. BULLER, Esq., 10, Old-square, Lincoln's Inn.

GEORGE CLIVE, Esq., Mr., Sanderstead-court, Groydon.

THEOPHILUS CLIVE, Esq., 14, Whitehall-place.

WILLIAM EADE, Esq., 11, Dawson-place, Westbourne-grove.

HARVIE MORTON FARQUHAR, Esq., 15, James's-street.

ALEXANDER GREIG, Esq., 10, Lowndes-street, Belgrave-aquare.

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6000 Hingston Down Consols (copper), Calstock. 33, 44, 44, 216 0 0 2 6 -Nov. 25, 1856, 9600 Gwydyr Park Consols, Llanrest 8s. 3d., 5 6000 Virtuous Lady and Wh. Bedford 2000 Holyford (copper), near Tipperary 11 84, 4 2 6 0 5 0 - Jan. 23, 1857, 9600 Gwydyr Park Consols, Llanrest 8s. 3d., 5 6000 Virtuous Lady and Wh. Bedford 2560 Isle of Man (Limited) 25 42 42 55 17 3 1 0 0 - Dec. 16, 1857. 8192 Hawkmoor (tin, cop.), Calstock 13, 4 1 2 90 Waenias (lead), Penbigh. 7	% % 1 1k
2500 Holysord (copper), near Tipperary 11 8% 4 2 6 0 5 0 -Jan. 28, 1857. 31 10 0 -Dec. 16, 1857. 31 10 0 -Dec. 16, 1857. 31 31 32 34 35 37 31 31 31 0 -Dec. 16, 1857. 31 32 33 34 34 34 34 34 34	14 9 30 85
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5000 Nanteos and Penrhiw, Limited (£3) shares) 1% 116 1% 1% 0 1 6 0 1 6—Apr. 30, 1855. 12000 Liandudno (copper) 15 4 1 1000 West Wheal Jane 25 1000 North Pool (copper, tin), Pool 384 0 0 1 0 0—Oct. 17, 1856, 12000 Maria Consols (silver-lead) 1 2560 West Wheal Jane 2560 West Wheal J	E E E
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200 Phomix (copper, tin), Linkinghorne 100 370 244 10 0 20 0 - Nov, 1857. 128 Mulberry Hill (tin), Lanivet 2 3 50 0 1512 Wheal Clinton (lead) 1272 Ditto (Old and ditto) 0 10 0 0 10 0 - Dec. 1, 1857. 256 Providence Mines (tin), Uny Lelantr 201, 138, 2d 62 5 5 60 70 4 6 4 0 - Nov. 18, 1857. 250 Rhoswydol and Bacheiddon (lead) 11 1 12 2 13 1 3 0 3 0 - Oct. 21, 1857. 250 Rhoswydol and Bacheiddon (lead) 11 1 12 2 13 0 0 3 0 - Oct. 21, 1857. 250 South Caradon (copper), tin), Gwinear*. 12 22 5 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	\$ 7 20 34.
512 Roseware United (copper, tin), Gwinear*. 12 22\(\) 25 3 2 10 0 110 0—June 8, 1857. 12000 Sortridge Consols (cop.), Whitchurch [S.E.] 6s. 1\(\) 1\(\) 1\(\) 4\(\) 0 10 0 \) 2 6—July 27, 1857. 1235 South Caradon (copper), St. Cicer* [S.E.]. 2\(\) 340 340 350 469 0 0 10 0 0—Nov. 24, 1857. 123 South Crinsis (copper), St. Austell 19 285 285 60 0 0 20 0—June 18, 1859. 256 South Crinsis (copper), Redruth, Cornwall 16 115 115 110 120 74 0 0 3 0 0—June 18, 1859. 256 South Wheel Frances, Indoor, St. Austell 19 285 285 80 0 0 0 0 0 0 0 0—Nov. 24, 1857. 1024 Spearne Consols (cin), St. Juster 19 10 100 Wheel Elizs (copp.), Whitchurch (c	2 2)6 20
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94 St. Ives Consols (tin), St. Ives	12 18 2 28
572 Trelyon Consols (tin), St. Ives 11½ 13 14 16 15 0 1 0 0—Feb. 21, 1854. 1024 No. Wh. Gilbert (cop.), St. Erth £1 19. 2 6000 Wheal Logs (copper), Devon., 16	0 8 1% 1% 1%
4000 Tretoil (copper, tin), Bodmin	i i i i i
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256 West Damsel (copper), Gwennap £10 7 80 75 80 22 0 0 2 0 0 - July 20, 1857. 1024 West Providence (tin), St. Erth+ 11, 11s. 7d - 33 1 9 0 10 0 - April 8, 1857. 400 West Wheal Seton (copper), Camborne* 334 300 300 310 102 10 0 8 0 0 - Dec. 15, 1857. 405 West Providence (tin), St. Erth+ 24, 4096 Wheal Tallack, St. Agree 4965 Pendern Consols, St. Ender 24, 18 12 4, 1966 Wheal Tallack, St. Agree 4965 Pendern Consols, St. Dust£1 18 6 34 35 35 36 6000 Wheal Tallack, St. Agree 4965 Pendern Consols, St. Dust£1 18 6 34 35 35 35 36 6000 Wheal Tallack, St. Agree 4965 Pendern Consols, St. Dust£1 18 6 35 35 35 35 6000 Wheal Tallack, St. Agree 4965 Pendern Consols, St. Dust£1 18 6 35 35 35 35 6000 Wheal Tallack, St. Agree 4965 Pendern Consols, St. Dust£1 18 6 35 35 35 35 6000 Wheal Tallack, St. Agree 4965 Pendern Consols, St. Dust	3 28 11k
228 Wheal Arthur (copper), Calstock 8 6 3¼ 4 610 0 010 0—0et. 25, 1855. 240 Wheal Bal (tin), St. Just 6 5 20 0 1 0 0—Nov. 14, 1855. 426 Penharget and Wheal Wrey 1 4 1 4000 Wheal Trefusis (cop.), Gwenn. 21 Wheal Basset (copper), Illogan* [8, E.] 5½ 145 150 473 160 5 0—Dec. 4, 1857.	,
256 Wheal Buller (copper), Redruth* [8.E.] 5 295 270 290 850 0 0 7 10 0-Nov. 17, 1857 250 Wheal Clifford (copper), Gwennap - 250 230 250 42 0 0 3 0 0-Oct. 26, 1857 100 Pentre Lygan 20 22 1024 Wheal Uny (tin, cop.), Redruth. 250 24 0 1 6-Jan. 14, 1856 150 Pentre Lygan 20 22 1024 Wheal Uny (tin, cop.), Redruth. 250 250 250 250 250 250 250 250 250 250	17 7% 5
128 Wheal Friendship (copper), Devon 50 80 2375 10 0 8 0 0-May 10, 1854. 024 Wheal Grylls (copper), tin), Breage 4s. 56 02 0 0 2 0-Feb. 24, 1857. 1512 Wheal Jane (silver-lead), Kes. 34, 17, 15 17, 8 10 0 1 10 0-Oct, 16, 1857. 1513 Wheal Jane (silver-lead), Kes. 34, 17, 15 17, 17, 18 10 0 1 10 0-Oct, 16, 1857. 1514 Wheal Jane (silver-lead), Kes. 34, 17, 15 17, 17, 18 10 0 1 10 0-Oct, 16, 1857. 1515 Wheal Jane (silver-lead), Kes. 34, 17, 15 17, 17, 18 10 0 1 10 0-Oct, 16, 1857.	66 X x X
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4096 Wheal Wrey (lead), st. Ive+ 11.9s. 5½ 5½ 2 10 0 0 4 0 -June 16, 1857. 8000 Wicklow (copper), Wicklow 5 31½ 32½ 27 56 1 0 0 -July 9, 1857. [* Dividends paid every two months. + Dividends paid every three months.] FOREIGN MINES. FOREIGN MINES.	5000 10 0000 10 3200 1
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